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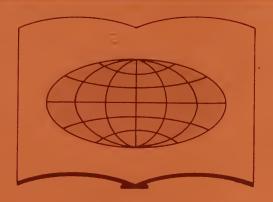


Pesticides Documentation Bulletin

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PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4

July 5, 1968

Number 14

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library, It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

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- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
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Oct 1967 420 K13 Rirds, Insect taxonomy, Monojoubertia, Parasitic insects. Abstract TWO NEW FEATHER MITE GENERA WITH POLYMORPHIC MALES (ANALGOIDEAT PROCTOPRYLLODIDAE) -W T Atyeo Kans Entoucl Soc J 40 (4): 465-471 Adis into act 1967 420 K13
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J W Hart
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Predaceous insects, Toxorbynchites Intilus.

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MODIFICATION OF THE ICE WATER HETHOD FOR BARVESTING ANOFBELES AND COLEX PUPAE.

F I Hazard

Mosguito News 27(1):115-116 REF

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Culicidae, Insect collecting eguipment, Pnpae.

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JE Beatb
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Jan 1967 410 M58
Cicadidae, Flight, Insect bebavior, Magicicada, Ovnlation, Sex bebavior, Stridulation, Temperature.
Abstract: Feriodical cicadas are basking animals and reach body temperatures exceeding air temperature. They possess bebavioral regulatory mechanisms to prevent the body temperature from exceeding about 32 C. They are unable to fly below 20 C. Scme activities of cicadas are temperature dependent, notably flight of males, singing and synchronized chorusing. Cther activities are relatively more independent, especially flight of females, copulation and oviposition.

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L A Betrick
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Arrenurus, Riology, Cercion bieroglypbicum, Hydracbnellae, Taxonomy.
Abstract: Arrennrns mitoensis n. sr. is described and the larvae of that species and A. agrionicolns are discnssed. Observations of parasitized bosts show that the larvae are active from May to November and thus there must be two or three life cycles completed per year. At the time of ecdysis of the damselfly bost. A. agrionicolns attach to the ventro-lateral membranes of the bost abdomen and A. mitoensis attaches on the ventre near the leg bases. The latter species will also attack mature damselflies as they rest or oviposit on floating vegetation. No other species of Arrenurus is known to attack bosts after ecdysis.

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D B Janzen T W Schoener
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Metamorphosis, Precipitation, Predatory animals, Temperature.

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J K Kingsolver
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Bruchidae, Insect taxonomy, Pectinibrocbus longiscutos,
Rbipibruchos.

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J M Klein

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Dinopsyllus tsaratananae, Insect taxonomy,

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   Enology, Boophilus kohlsi, Ixodidae, Larvae, Morphology.
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   GRASSHOFFEF FROM THE REENCH ALPS (ORTHOPTERA, ACRIDIDAE).
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01 Jan 1967 420 N38E
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Infrared rays, Larvae, Pectinophora gossypiella, Phototropism,
   Stenotothrns cottions.
                                                                                                                                       Ditraviolet rays.
14076-68
   SARCOFTIC MANGE (SARCCPTES TAPIRI NOV. SPEC.) OF TAPIR
                                                                                                                                    14086-68
   (TAFIEUS TERRE STRIS L.). (GE )
E Kntzer W Grunberg
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   Z Parasitenk 29(1):46-60
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    1967 442.8 Z33P
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   Hange, Sarcoptes tapiri, Taxonomy, Wildlife.
English and German abstracts
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1967 421 R392
                                                                                                                                       Expeditions, Gonomyia friesi, Insect taxonomy, Limoniidae. Includes key and a n. sp.
   Abstract
14077-68
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   INTERESTING CATCHES OF RYMENOFTERA-ACDLEATA, CHIEFLY PROB
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Abstract in french and slovenian.
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R J Lempke
   Tijdschr Entomol 110(10):223-342
1967 421 121
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   Abstract
                                                                                                                                       Caterpillars, Insect morphology, Nervons system, Prodenia litara, Trichoplasia ni.
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   MIGRATING LEPIDOPTERA IN 1965. (DU )
   E J Lemrke
Entowol Rer 26(11):195-203
01 Nov 1966 420 N38R
Insect migration, Lepidoptera.
                                                                                                                                       Abstract
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    RIOBORICS OF CERCERIS SIMPLEX GRAPRICA AT LAKE TEXOMA
    (RYMENOPTERA: SPRECIDAE: PHILANTHINAE) .
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    C S Lin
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   Dec 1967 420 %27
Cerceris simplex, Insect hiology, Insect ecology,
Fredaceons insects, Sphecidae.
                                                                                                                                       THE DISCOVERY OF LISTROPHORUS LEUCKARTI PAGENSTECHER ON
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14082-68
    NEW AND LITTLE KNOWN PALEARCTIC SPECIES OF THE GENDS
    SCAFHCSCHA LEACH (COL., SCAFHIDIDAE). 18. CONTRIBUTION TO THE KNOWLEDGE OF THE SCAFHILLIDAE. (GE )
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    I Lohl
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   Scaphidiidae, Scaphosoma.
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Hoplomycphilus nativus, Insect taxonomy, Mallophaga, Rats,
Trimenofonidae.
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R I Metcalf
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Insects, Wildlife conservation, Zoological gardens.

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FOLYREDRON SIZE AS TAXONOMIC CRITERION FOR CYTCPIASMIC-FCLYREDROSIS VIEUS.
JE Milstead
J Invertetrate Fatbol 9(3):446-447
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Insect diseases, Folybedroses, Taxonomy.

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DIFFERENT INEECTION RESPONSE OF SILKWORM LARVAE TO THE LCCALITY OF CYTOPIASMIC-POLYREDROSIS VIRUS INJECTION.

S Miyajiæa S Kawase
J Invertetrate Pathol 9(3):441-442
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BCmbyx mori, Caterrillars, Insect diseases, Polyhedroses.

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SCME FSCCOFTERA FROM PLUMAGE OF BIRDS.

F I Mcckford
Entomol Soc Wash Froc 69(4):307-309
Dec 1967 420 %27
Eirds, Eeathers, Esocoptera.

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AFOUT THE CENUS RABMATOPOTA MEIG. IN CZECHOSLCVAKIA
(LIFITRA, TAPANIDAP). (GE)
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OF THE GENUS ANDBENA OCCURRING IN EGYPT (RYMENOPTERA:
AFOILEA-ANDFERIDAE).
H A Mcutafa H M Ibrabim
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El S A hasr
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Insect ecology, Mortality, Fectinophora gossypiella,
Soil moisture, Temperature.

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L F O:Rrien Fan-pacific Entomol 43(2):130-133
Apr 1567 421 F193
Caliscelis bcnellii, Insect biology, Insect taxonomy, Zoogecgraphy.

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TAXONCHY AND DISTRIBUTION OF EUROPEAN AND NEAR EASTERN SPECIES OF TRE TARANUS ROVINUS GROUP (DIPTERA, TARAN-IDAE). (GE)
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Tabanus.
Russian summary.
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C Cttenbeijs
Entomol Rer 26(11):211-212
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T M Feters R I Chevone
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Culex pipiens, Dyes, Insect ecology, Larvae.

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J S Pillai F N MacNamara
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A C Pont
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Fannia melania, Insect taxonomy.

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C C Porter
Psyche 74(3):218-223
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Ichneumonidae, Insect taxonomy.

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G Pringle
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27 Jun 1967 420 L84PR
Chrysops bubbardi, Tabanidae.

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Birds, Gulls, Insect taxonomy, Ornithodoros, Viruses.

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W R Richards
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Aphididae, Insect morphology, Pleotrichophorus.
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A Rickenbach L Ferrara J P Eoufan
Soc Entomol France Bull 72(9/10):297-300
Now 1967 420 P848
Culicidae, Eremapodites caillardi, Fremapodites salauni, Insect taxonomy.

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M Schwarz
Beitr Entomol 17 (3/4):529-535
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Expeditions, Insect taxonomy, Nomada, Nomada lucidula. English summary.

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F Shalaby M M Ibraaim M Rafez
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Insects, Surveys, Zoogeography.

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DESCRIPTION OF THE LARVA AND PUFA.

C N Slobodchikoff
Fan-pacific Eutomol 43(2):161-16H
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Grotea californica, Ichneumenidae, Insect ecology,
Insect taxcnogy, Larvae, Pupae.

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A Smetana
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B L Smiley
Entomol Scc Wash Proc 69(4):334-337
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K G V Swith
Boy Entewol Scc Lendon Trans 119(2):47-69 BEP
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A LIST OF MISSOURI MCSQUITOFS.
L W Smith W B Enns
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Chlicidae, Missouri.

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SIBUCIUFE OF TRE IABELLAR CHEMORECEPTORS OF THE HOUSE FLY,
MUSCA UCKESTICA VICINA (L.) (DIFTERA: MUSCIDAE).
S A Scliman
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Chemorecertors, Insect anatomy, Mouth, Musca domestica.

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IBCTORNIAL CAFTURE OF VERTEFRATE WILDLIPE IN BLACKLIGHT
INSECT THAKS.

P A Stewart F L Rart
Amer Midland Nathr 78(1):235-240 BEF
Jul 1967 410 M58

Hats, Birds, Eluorescent lamps, Progs, Insect traps,
Light traps, Vertefrates, Wildlife conservation.
Abstract: Elnorescent blacklight traps, a promising method
for aiding in control of some insect pests, cansed limited
mortality of wildlife when a study was made in North
Carolina and Virginia of their effectiveness for controlling totacco insects. This loss of wildlife might be reduced because traps are customarily placed near human homes
to allow easy access to electric power, and thus home occupants can easily give the traps regular attention. Under
snch circumstances, loss of birds should be negligible. Becanse people generally have little interest in conserving
hats, the limited loss of bats cannot readily be controlled.
Bat mortality can be restricted by delaying operation of
the traps until after 1 June. Capture of the tree frogs
appeared to be fortuitous event.

14121-68
A NEW SURGENUS POF LEDCOPIS LUTEICOHNIS MALLOCH, A
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G C Steyskal
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S Snznki
Annot Zool Jap 40 (2):115-122 REF
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Phalangida, Taxonomy.

Abstract: The present paper deals with the taxonomy of 3 opilionids belonging to the subfam. Gagrellinae of the fam. Leiohnnidae, Eupnoi from Nepal, including 2 new species, Verpulus kanoi n. sp. and Adungrella atrorubra n. sp.

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NEW PLANT LOUSE SPECIES (HOMOPTERA: APHIUIDAE) PHON HUNGARY. (GE)
H Szelegiewicz
Acta Zool (budapest) 13(3-4):433-444
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Aphididae, Insect taxonomy, Semiaphis horvathi.

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Cecidophyes ribis, Cold, Currants, Insect ecology, Mortality, Ovulation, Zoogeography. German summary Abstract

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Apicmorpha, Coccoidea, Insect morphology, Opisthoscelis.
Abstract: The males of these genera differ in structure of
their abdomens. Roth belong to the lecanoid group of the
coccoidea.They show some affinity with eriococcidae, especially in structure of genitalia.

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THREE NEW SPECIES OF TETRANYCHOID MITES (ACABINA:
TETRANYCRIDAE AND TENDIPALPIDAE) FROM MISSOURI.
S E Thewke
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Oct 1967 420 K13
Beerella petiolaris, Brevipalpus, Insect taxonomy,
Tenuipalpidae, Tetranychidae.
Abstract

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SOYHEAN CYST NEMATODE. PROPOSED QUARANTINE IN INUIANA, PLORIDA, AND LOUISIANA.
Ped Regist 33(58):4927-4928
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Agricultural products, Heterodera glycines, Interstate commerce, Quarantine, Soils, Soybeans.

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Fed Regist 33(58):4927
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Composts, Interstate commerce, Popillia japonica, Quarantine, Boots, Soils.

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Fed Regist 33(58):4926-4927
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Interstate commerce, Nygmia phaeorrhoea, Porthetria dispar, Quarantine, Shrubs, Timber, Trees.

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CERTAIN OTHER STATES.
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Corn, Grain, Grasses, Interstate commerce, Oulema melanopa,
Quarantine.

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T Uyesura
Acta Arachnologica 20(2):37-45 HEF
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Anatomy, Chilobrachys, Spiders, Stridnlation.
English abstract.
Abstract: The spiders were Chilohrachys andersoni, sub-family Selenocosminae; description and habits are included.

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    IXODES DENEFCIAGI (HETASTIGNATA, IXODIDAE), A NEW SPECIES
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Horphology, Spiders, Taxonomy.
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Grapes, Oliogonychus vitis.

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  Reding, Methacrylate, Methacrylic acid, Modified wood, Reticuliterms flavipes.
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Carpophilus dimidiatus, Drying, Homidity, Light,
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J U Apablaza A G Robinson
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D L Bailey W & Ratnes R W Dewey
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Culex restuans, Insect diseases, Larvae, Nosematidae, Stempellia magna.

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NAISA-6E
REPRODUCTIVE CAPACITY OF TWO STRAINS OF CRYPTOLESTES TURCICUS (COLECTERA: CUCUJIDAE).
F S Earker J A Johnston
Can Epitorol 100 (2):198-199
Feb 1568 421 C16
Cryptolestes turcions, Nethyl bromide, Oviposition,
Farasitisa, Reproduction.
Abstract

14155-68
OUTBREAKS OF INC-SROTTED SPIDER-MITES AND COTTON ARRIDS FCLLCWING FESTICITE TREATMENT. I. REST STIMULATION VS NATURAL ENEMY DESTRUCTION AS THE CAUSE OF OUTBREAKS.
E B Bartlett
J Econ Intomol 61(1):297-303 REF
Peh 1568 421 J822
Apbis gessyfi, Reneficial insects,
Chemical control (insects), Insect outbreaks, Insecticides,
Natural control (insects), Tetranychus orticae.

14156-68
RIFERRATION SITE AND DISRERSAL OF SPRUCE RUDWORM LARVAE AS RELATED TO DAMAGE OF SAPLING BALSAM PIR.
B O Batzer
J Econ Entemol 61(1):216-220 REF
Peb 1566 421 J622
Abies balsamea, Choristonenra fumiferana, Forest insects,
Bibernation, Insect dissemination.
Abstract

14157-66
THE EFFECT OF ILLUMINATION AND FOOL BRIGHTNESS ON OVIPOSITICN BY CULEX RESTOAMS (THEO.) IN THE FIELD.
P Belton
Mosquitc News 27(1):66-68 REF
Har 1567 421 P85
Color, Cnlex restnans, Insect behavior, Light, Ovulation, Fhototrcpism.
Abstract: Artificial pools in a natural woodland environment received more than three times as many egg rafts of C. restnans when lined with black as opposed to translucent polyethylene film. Illumination at night of either type of pool with an intensity similar to that received during the day prevented oviposition.

14158-66
INSECTICIDE RESISTANCE OF GERMAN COCKROACRES FROM VARIOUS ABEAS OF ICUISIANA.
G W Bennett W T Spink
J Econ Entomol 61(2):426-431 REF
Apr 1568 421 J822
Rlattella germanica, Chlordane, Diazinon, Fenthion,
Insecticide resistant insects,
Iecpropoxyphenyl metbylcarbamate, o-, Malathion.

14159-68
ORIEBTATION REPAVIOUR IN INSECTS AND FACTORS WRICH INPLOERCE IT.
G Rirokcw

Roy Entomol Soc London Symp 3: 1-12 REF 1966 420 R81 Insect flight, Reviews.

14160-68

NOTES ON THE FEMALE RERRODUCTIVE SISTEM OF THE SOUTH AFRICAN CITRUS RSILLA, TRIOZA BRITREAE (DEL GUERCIO) (HOMORTERAI FSYLLIDAE).
J R Flowers V C Moran
Entomol Soc Sonthern Afr J 30(1):75-81 REF Jun 1967 420 EN86
Citrus, Insect morphology, Psyllidae, Reproductive organs, Trioza erytreae.
Abstract

14161-68
FATTY ACIDS IN TRE ROLL WEEVIL.
M S Blum
Entomol Soc Amer Ann 56(5):612-616, 11 REFS., 3 TARS.
Sep 1963 420 EN82
Anthonoms grandis, Fatty acids.

14162-68
CHANGES IN TEMPERATURE TOLERANCE WITR ADULT AGE IN TENERRIO MOLITER.
K Bowler
Entomol Exp Appl 10(1):16-22 REP
1967 421 EN895
Insect mortality, Temperature, Tenebrio molitor.

14163-68
THE RESPONSE OF THE LARELLAR TASTE RECERTORS OF DDT-RESISTANT AND NON-RESISTANT ROUSEFLIES (MUSCA DOMESTICA) TO DDT.
L B Browne R W Kerr Entomol Exp Appl 10(3):337-346
1967 421 ER895
Chemoreceptors, DDT, Insecticide resistant insects, Musca domestica, Sense organs.
German summary Abstract

14164-68
A REARING METROD FOR AEDES ABSERRATOS (F. AND Y.).
B A Brust K S Kalpage
Mosquito News 27 (1):117 REP
Mar 1967 421 885
Aedes abserratas, Insect biology, Insect rearing, Temperature.

14165-68
MOTHEROOPING INVESTIGATIONS WITH BARTERIR AND DIMETREIN.
R E Bry L L McDonald J E Lang
J Econ Entomol 59 (5):1108-1110
Oct 1966 421 J822
Rarthrin, Dimethrin, Mothproofing.

14166-68
WARPLE PLY LARVAE CONTROL STUDY.
T D Rorgess W C Allan A J Mozier
Entomol Soc Ontario Rroc 97:117-120
1966 420 0N8
Conmaphos, Penthion, Rypoderma, Insecticides, Larvicides,
Trichlorfon.

14167-68
A NEW ROLTEMERTONIC RARASITE OF TRE REPRER MOTE (RYME-NORTERA: ERCYSTIDAE).
R D Rorks
Entowol Soc Wash Proc 69(1):53-55
28 Mar 1967 420 W27
Copidosoma capsicum, Gnorimoschema capsicum.

14168-68
GARDEN ANTS, LASIUS RIGER L., RUILDING SRELTERS FOR ARRIDS.
J F Enrton
Entomol Rec J Variation 79(6):179
Jnn 1967 421 ER89
Aphididae, Formicidae, Insect hebavior, Lasins niger, Macnlolachnns snbmacnla.

14169-68
A SEX ATTRACTANT ACTING AS AN ARREODISIAC IN THE HOREYHEE (APIS MELLIPERA L.).
C G Entler
Roy Entomol Soc London Broc Ser A Gen Entomol 42(4):71-76
27 Jnn 1967 420 L84RA
Apis mellifera, Oxodecenoic acid, 9-, Sex attractants,
Sex behavior.

PAGE 8

Abstract

14170-68
LOUISIANA LAR TAKES INTENSIVE LOOK AT PARASITES FOR MOSQUITO CCNIECI.
H C Charman T B Clark J J Petersen D B Woodard
Pest Contr 36(5):64,66,68,71-73
May 1968 449.8 ER8
Biological centrol (insects), Coelomomyces, Culicidae,
Insecticides, Mosquito iridescent virns, Nematodes,
Parasitic irsects, Parasitism, Frotozoa.

14171-66
NEMATCDE FARASITES OF CULICIDAE AND CRAOBORIDAE IN LCUISIANA.
R C Charman D E Wcodard J J Fetersen Mosgonic News 27(4):490-492 REF 'Dec 1967 421 M85
Chaohoridae, Corethrella trakeleyi, Culicidae, Insect diseases, Nematodes, Farasitism.

4172-68
NFW RECERDS OF PAFASITES OF CERATOFOGONIDAE.
B C Charman J J Fetersen D F Woodard T B Clark
Mosgnitc News 28(1):122-123 RFF
Mar 1566 421 M85
Ceratorogonidae, Insect diseases, Mermithidae, Nematodes,
Nosematidae, Farasitism, Protozoa, Viruses.

14173-68
CCMFARISON OF TWO ARTIFICIAL DIFTS FOR REARING RELIOTHIS ZEA LARVAE FOR INSECTICIDE TESTS.
A R Chanthani F L Adkisson
J Econ Entotacl 5B(6):1163-1164
Dec 1965 421 J822
Reliothis zea, Insect nutrition, Insect rearing.

STEMPELIIA MAGNA IN THE THEE ROIE MOSQUITO, AEDES SIEFEENSIS.

TE Clark T Fukuda
J Invertetrate Fathol 9(3):430-431
Ser 1967 421 J826
Aedes sierrensis, Culicidae, Insect diseases, Stempellia magna.
Abstract

14175-68

SCHE EARLY EFFECTS OF IONIZING RADIATION ON THE GERMAN COCKREACH, FIATFILLA CFEMANICA.

D G Cochran
Entomol Soc Amer Ann 56 (3):256-261, 22 REFS., 3 TABS.
May 1963 420 EN82
Blattella germanica, Ionizing radiation scattering.

14176-68
SUPPLEMENTARY OESERVATIONS OF THE EARLY DEVELOPMENTAL STAGES
OF ALFIA CAERULFA (ACARINA: AXONOPSIDAE).
R M Crowell
Can Entoucl 100(2):178-180
Feh 1968 421 C16
Alhia caernlea, Insect morphology, Larvae, Ovipositors.
Abstract

14177-66

PENETRATION OF THE TARYNA VIRUS TO VARIOUS ORGANS OF THE AEDES VEXANS MCSCUITO.
V Danielova
Polia Parasitcl 15:87-91 REF
1968 436.8 C33
Aedes vexans, Arboviruses, Gastrointestinal system,
Insect histology, Insect physiology, Reproductive organs,
Salivary glands, Tahyna virus.
Abstract: The virus was recorded in all examined organs:
oesophagus with dcrsal and ventral diverticles, ventriculus
with intestine, lymph salivary glands, ovaries, Malpighian
tuhules and ganglia. The highest amount of virus was detected in ventriculus with intestine, the lowest in the
Malpighian tubules.

14178-68
TRE STRUCTURE AND SECRETION OF TRE SPERMATRECA OF BRCDNIUS FROLIXUS STAL: A HISTOCREMICAL STUDY.

K G Davey G F Webeter
Can J Zcol 45(5):653-657
Ser 1967 470 C16D
Reproductive organs, Rhodnins prolixus, Secretion.
Abstract

14179-68
RELEASES OF STERILE SCREW-WORM FLIES IN NORTRERN VERACRUZ, MEXICO, MEASURED BY RECOVERY OF STERILE EGG MASSES.
R B Davis B G Hightower D A Alley J E Turner E Lopez J Econ Entomol 61(1):96-101,MAP Feb 1968 421 J822
Aerial pest control, Riological control (insects), Cochliomyia hominivorax, Insect eggs, Sterility. Abstract

4 180-68
ISOLATION OF CERAMIDE PROSFHORYLETHANOLAMINE PROM THE BLOWELY CALLIPROBA FRYTRROCEPHALA.

R M C Dawson P Kemp Biochem J 106 (1): 319-320 REF Jan 1968 382 R52
Biochemistry, Calliphora vicina, Ceramide phosphorylethanolamine, Phospholipids.

14181-68
WINTER SURVIVAL AND OVERWINTERING AREA OF THE FOTATO LEAFHCFPEF.
G C Decker H R Cunningham
J Econ Entomol 61(1):154-161, HAP HEF
Feh 196B 421 J822
Empoasca fabae, Hibernation, Insect populations, Mortality,
Statistical analysis, Temperature, Zoogeography.
Abstract:
data are presented which correlate the decline and eventual
elimination of potato leafhopper populations with the
decline of mean temperatures in the fall. Winter survival
is limited to portions of the Gulf Coast area.

14182-68
THE INPLUENCE OF SOIL MOISTURE AND SOME SOIL PHYSICAL FACTORS ON THE OVIPOSITIONAL REHAVIOR OF THE PRAIRIE GRAIN WIREWORM, CTENICERA DESTRUCTOR.
J. F. Doane
Entomol Exp. Appl. 10(3):275-286
1967 421 EN895
Ctenicera aerifennis destructor, Insect hehavior, Ovulation, Soil moisture, Soil properties.
German snumary
Abstract

14183-68
NOTES ON SPIDER PARASITES, INCLUDING A REFERENCE LIST.
B R Eason W E Peck W R Whitcomh
Kans Entomol Soc J 40 (3):422-434 REF
Jnl 1967 420 K13
Diptera, Rymenoptera, Parasitic insects, Spiders.
Abstract

14184-6B
TRE FEEDING RABITS OF ADULTS OF CREYSOPA CALIFORNICA
COQUILLETT (NEUROPTERA: CRRYSOPIDAE).
E A Elhadry C A Fleschner
Soc Entomol Egypte Bnll 49:359-366 REF
1966 420 EG9
Chrysopa californica, Insect hehavior, Insect nntrition,
Predaceous insects.

185-68
DISSOLUTION OF THE TOXIC PARASPORAL CRYSTALS FROM RACILLUS
THURINGIENSIS VAR PACIFICUS RY THE GUT SECRETIONS OF TRE
SILKWORM, ROMBYX MORI.
R M Fanst J R Adams A M Heimpel
J Invertehrate Pathol 9(4):488-499 REF
Dec 1967 421 J826
Racillus thuringiensis, Bomhyx mori, Caterpillars, Intestines,
Secretions, Toxins.
Ahstract

14186-68
THE EFFECT OF GAS VELOCITY ON THE ARSORPTION OF FUMIGANT NICOTINE RY MUSCA DOMESTICA (L.).
D J Galley
J Stored Prod Res 3(3):213-222
Oct 1967 421 J829
Ahsorption (hiological), Fnmigants, Gases, Musca domestica, Nicotine, Velocity.
Ahstract

4187-68

EFFECTS OF PHLOEM TEMPERATURE AND MOISTURE CONTENT OF THE SOUTHERN PINE REETLE.

G C Ganmer R I Gara
Boyce Thompson Inst Contrih 23(11):373-377 REF
Jul 1967 451 B69

Dendroctonus frontalis, Humidity, Insect ecology, Phloem,

10 14188-€8

Pinus taeda, Scolytidae, Temperature. Abstract: fhlorm scisture content and temperature regimes necessary to produce vigorous southern pine beetle broods were determined. Levelopment of beetles was measured by pural weight, time to adult emergence and ratio of increase.

IRAGINAL CRIES OF THE CLYFEUS-LARRUM AND THE DEVELOPMENT OF FROECSCIS IN DECSCHILA MELANGGASTER. (GE) Gebring S Scippel Rev Suisse Zccl 47(3):589-613 Dec 1967 410 F324 Drosophila melanogaster. English summary.

THE PERSON OF THE ORIENTAL PRUIT HOLES IN THE ORIENTAL PRUIT HOLE, GEARRILITHA MOLESTA (IFFITCFTERA: TORTRICIDAE).

J A GEORGE E G HOWALD
Can Fitchel 100(2):190-192 Teb 1968 421 C16
Graphclitha molesta, Insect morphology, Insemination,
Ovipositors, Spermatophores.

Abstract

14150-68

A FOSSIELE MECBANISM FOR TRE REGULATION OF THE PEMALE REPRO-DUCTIVE CYCLE IN TENERRIO ECLITCE (CCLEOPTERA: TENERRI-G A Gerter Can Entomol 99(12):1298-1303 REE

Dec 1967 421 C16 Nervons system, Reproduction, Tenebrio molitor. Abstract

14191-68

A METBOD OF FROVIDING ARTIFICIAL DIETS TO CHRYSOPA LARVAE. K S Hagen B L Tassan J Econ Entorol 58 (5):999-1000 Cct 1965 421 J822

Diet, Larvae, Synthetic diets. 14192-68

STUDIES ON BICECPLITIS RUPIVENTEIS KOK. 1. (HYBENGPTERA: SHOULTS OF DAYS

BEACCHIERE).

S B hammad A B El-Binshawy A Salama
Soc Entemed Egypte Eull 49:215-219 1966 420 EG9 Microplitis rufiventris, Parasitic insects, Prodenia litura, Spodoptera exigua, Spodoptera latebrosa.

14193-68 SUITABILITY OF ANALTIS FLAGIATA (GECMETRIDAE) PCR BIO-CCNTRCL CE HYFEBICUM FERFORATUM IN DRY GRASSLAND OF EBITISM CCLUMBIA. F Harris Can Entemol 99 (12):1304-1310 REE

Dec 1967 421 C16
Anaitis plagiata, Biological control (weeds),
Bost specificity, Eypericum perforatum.
Abstract

THE EFFECT OF EACILLUS THURINGIENSIS BERLINER ON DROSO-PHILA EFLANCGASTER MEIGEN. I L Harvey E E Bowell J Invertebrate Fathol 5(4):495-497 Dec 1963 421 J826

Drosophila #elanogaster, Insect diseases, Bicroorganisms.

RIBOSCHE AGGREGATES OF THE MIDGUT OF SITKWORM, BOMBYX MCBI I. Y Bayashi Can J Biocbem 46(1):117-119 REF Jan 1968 470 C16E Ban 1906 470 Clos Riochemistry, Bombyx mori, Cells, Insect physiology, Intestines, Larvae, Ribonnclease, Ribosomes, Trypsin. Abstract: Fesults suggest ritosomal assemblage may be stabilized by protein or pertide synthesized on the ribescaes.

THE SUCCESSFUL INDUCED COPULATION OF CULISETA MPLANURA (CCCUILIETT) . D E Rayes Mosgnito News 28(1):109-110 EEP Mar 1968 421 M85 Culiseta melannra, Feeding, Insect rearing, Reproduction. 14197-6B A TAXONOMIC KEY PROPOSED FOR THE SPECIES OF THE "CRYSTALLIPEROUS BACTERIA". A M Reimpel J Invertebrate Pathol 9(3):364-375 REF Sep 1967 421 J826 Bacillus thuringiensis, Bacteria, Insect diseases, Taxonomy. Chiefly B. thuringiensis varieties

14198-68 STRUCTURE AND PHOTPCTIVE DEVICES OF TRE EGG OF TRE MOSQUITO CULEX PIPIENS. H E Hinton J Insect PhysioI 14(2):145-161 REF Feb 1968 421 J825 Culer pipiens, Eggs, Insect protective devices. Abstract

14199-68 OBSERVATIONS ON THE CULICIDAE OF A GARDER POND IN RIHIMAKI. B Birvenoja Snomen Byonteistieteellinen Aikakanskir Ann Entomol Penn 33(3):211-212 O2 Nov 1967 421 su7 Aguatic insects, Cnlex, Cnliceta, Insect behavior.

STUDIES ON SOUTHEAST ASIAN BARMAPHYSALIS TICKS (IXODOIDEA: IXODIDAE). B. (KAISERIANA) LUZONENSIS SP. N. PROM PRILIPPINE CEER ARD BOARS.
H Boogstraal D W Parrish
J Parasitol 54 (2):402-410 BEP
Apr 1968 448.8 J824 Boars, Deer, Ecology, Baemaphysalis luzonensis, Ixodidae, Taxonomy.

14201-68 THE EGGS AND OVIPOSITION SITES OF RYALIODES VITRIPENNIS ON APPLE TREES (MIRIDAE: REMIFTERA).
R L Borshurgh D Asgnith
Can Entomol 100(2):199-201
Peb 1968 421 C16 Byaliodes vitripennis, Ovipositors, Panonychus nlmi, Predaceous insects, Tetranychus nrticae. Abstract

THE ROLE OF NUTRITIONAL PACTORS IN FOOD SELECTION AND PREF-ERENCE AS RELATED TO LARVAL NOTRITION OF AN INSECT, ESED-DOSABCOPHAGA APEINIS (DIPTERA, SARCOPRAGIDAE), ON SYN-THETIC DIETS. R L Bonse Can Entomol 99 (12): 1310-1321 REF Dec 1967 421 C16 Experimental insects, Insect nutrition, Psendosarcophaga affinis, Synthetic diets. Abstract

TRE EPPECTS OF HORMONES ON THE IRTESTIRAL PROTEINASE ACTIVITY OF ADULT PYREBOCORIS APTEHUS L. (BEBIPTEBA). R Brubesova K Slama Acta Ent Bohemoslov 64(3):175-183
1967 420 C33 Corpora cardiaca, Hemiptera, Bormones, Intestines, Proteinases, Pyrrbocoris apterns.

10200-68 EPIZOOTICS AMONG POPULATIONS OF THE YELLOW MEALWORM, TENERRIO MOLITOR. A B Bnger J Invertebrate Pathol 9(4):572-574 Dec 1967 421 J826 Epizootic diseases, Insect diseases, Tenebrio molitor.

14205-68 THE BEHAVIOUR OF PLEAS (SIPHONAPTERA) WITHIN THE COCCOON. DA Runsphries
Roy Entomol Soc London Proc Ser A Gen Entomol 42(4):62-70 REF
27 Jun 1967 420 L84PA
Ceratophyllns, Ctenocephalides, Insect behavior, Pupae, Siphonaptera. Abstract

PURTHER INVESTIGATIONS INTO THE BIOLOGY OF AIOLOPUS TRALASSINGS F. (ORTROPTERA: ACRIDIIDAE).
B M Ibrahim

14215-68

14216-68

14217-68

14218-68

STUDY ON SPIDERS (PARTICULARLY REFERRING TO GRASS-SPIDERS)

Biological control (insects), Hyphantria cnnea, Insect pests, Predaceous insects, Spiders, Trees.

THE DIGESTIVE ENZYMES OF THE LARVA OF UTETHEISA PULCHELLA

MONOPSYLLUS THAMBUS (JOROAN, 1929) FROM THE ALPINE IN

Enzymes, Gastrointestinal system, Larvae, Otetheisa pulchella.

TO PREY UPON FALL-WEB WORMS (HYPHANTRIA CUNEA DRUBY) .

SOME OUTSTANDING QUESTIONS IN INSECT SEHAVIOUR. J S Kennedy Boy Entomol Soc London Symp 3:97-112 REF 1966 420 R81

Insect behavior, Insect evolution, Reproduction, Sex determination, Sterility.

I Kayashima Acta Arachnologica 21(1),30 P 01 Jul 1967 434.8 AC8

LINNAEUS (LEPIDOPTEBA: ARCTIDAE). N Khatoon Beitr Entomol 17 (3/4):349-356 REP

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Soc Ertcmcl Egypte Bull 49:415-422
   1966 420 EG9
   Aiclorus thalassinus, Climate.
14207-68
  A207-66
LAECKATCRY AND FIFLE CAGE TESTS WITH BACILLUS
THUFINGIENSIS AGAINST PINK-ECLLWORM LABVAE.
C M Ignoffc 8 M Graham
J Invertebrate Fathol 9 (3):390-394
Set 1567 421 J826
Bacillus thuringiensis, Biological control (insects),
   Insect diseases, Fectincphora gcssyriella.
14206-68
  GLUCCHECGENESIS IN THE ORIENTAL SCHNÉT VESFA ORIENTALIS F.
  J Ishay & Ikan
Ecology 49(1): 169-171 REF WINTER
1968 410 EC7
  Carrohydrates, Carbon isotores, Chlorella, Glyconeogenesis,
Larvae, Froteins, Badioactive tracers, Vespa orientalis.
Abstract: It is suggested that the ability of larvae to
carry out gluconecgenesis and transfer of formed sugars to
  the adults may play an important part in adult-larvae interrelations of various insect societies.
  PROCESS FOR CONTECLLING INSECTS WITH PHENYLTHIOCRCTONATE. FATENT 3,376,436.
   Us Fatent Cffice Cffic Gaz 849(3):782
  16 Arr 1968 156.65 CF2
Chemical control (insects), Fatents, Phenylthiocrotonate.
  EBOSPECIS OF INTEGRATED MICBOBIAL AND RADIATION CONTROL OF HARMFUL INSECTS.
  J Invertebrate Pathol 9(3):293-297 REF
  Ser 1967 421 J&26
Insect control, Insect diseases, Insect pests,
  Integrated control (insects), Irradiation, X-rays. Theoretical insect pathology
  ALTERATION CE FFECING BEHAVICE AND FEBTILITY IN AEDES
   AEGYFII EY THE CHEMOSTEFILANT AFBOLATE.
   C L Judson
  Entomol Exp Appl 10 (3):387-393
1967 421 EN695
Aedes aegypti, Apholate, Chemosterilants, Feeding, Fertility, Insect behavior, Insect physiology, Insect vectors, Flant disease transmission.
  German surmary increased feeding may increase disease transmission by insects to both animals and plants.

Abstract
14212-68
  ATTERCTION OF FEAR FSYLLA TO PLACKLIGHT.
G B Kalcostian W W Wolf
J Econ Entemol 61(1):145-147
  Eeb 1966 421 J822
Flucrescent lamps, Insect traps, Light traps, Phototropism,
Esylla pyricola, Ultraviolet rays.
Abstract
  STUDIES ON THE CIFACTORY STIMULI GUIDING THE BARK BEETLE PLASTCPLAGUS LINIFERDA L (CCIECFTERA, SCOLYTIDAE) TO ITS
   HCSI IBFF.
E Kangas V Ferttunen H Oksanen
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COLORADO.
                                                                                                                  J M Kinsella
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Apr 1968 448.8 J824
                                                                                                                  Mice, Monopsyllus thambns, Parasitic insects, Siphonaptera,
                                                                                                                  Taxonomy.
                                                                                                               14219-68
                                                                                                                  PARASITIZATION OF SOCIAL HALICTINE BEES IN SOUTHERN
                                                                                                                  ONTARIO.
                                                                                                                  G Knerer C E Atwood
Entomol Soc Ontario Proc 97:103-110 REF
                                                                                                                  1966 420 ON8
                                                                                                                  Halictidae, Mites, Parasitic insects, Parasitism.
                                                                                                               14220-68
                                                                                                                  ELECTRON-MICROSCOPE INVESTIGATION OF THE STBUCTURE OF THE
                                                                                                                 NUCLEAR-FOLYHEDROSIS VIRUS OF THE SILKWOBH, BOMBYX HORI.

E A Kozlov I P Alexeenko

J Invertebrate Pathol 9(3):413-419 REP

Sep 1967 421 J826
                                                                                                                  Bombyx mori, Electron microscopy, Insect diseases, polyhedroses.
                                                                                                                  Abstract
                                                                                                               14221-68
                                                                                                                  INVESTIGATIONS OF RELATIONSBIPS OF EGG LENGTE TO PEMALE SIZE AND EGG NUMBER IN ANOPHELES CLAVIGER TYPICUS MEIGEN, WITH BEFEBENCES TO DEVELOFMENT OF LENGTH IN LABVAE. (INVESTIGA-
                                                                                                                  TIONS OF THE INSECT FAUNA IN PLACE 15). (DIPTEBA: CULICI-
DAE). (GE )
P Kuhlborn
                                                                                                                  Beitr Entomol 17(3/4):336-347 REF 1967 421 B392
                                                                                                                  Anopheles claviger, Insect eggs, Insect physiology, Larvae.
                                                                                                               14222-68
                                                                                                                  ON THE PABASITES OF THE PINE CATERPILLAR, DENDROLIMUS SPECTABLIXIS BUTLER, IN A PURE STAND AKAMATSU-PINE FOREST IN THE SUBURBS OF SEOUL IN KCREA. (JA )
                                                                                                                  K C Lee
                                                                                                                  Jap J Appl Entomol Zool 11(4):189-191
Dec 1967 475 J27
                                                                                                                  Dendrolimus spectabilis, Porest insects, Bymenoptera, Parasitic insects, Pinus, Tachinidae.
  E Mangas V Fertunen B Oksanen
Suomen Byonteistieteellinen Aikakauskir Ann Entomol Penn
33(3):181-211 BEF
02 Nov 1967 421 SU7
Blastcphagus ŗiniŗerda, Insect behavior, Finus sylvestris,
Scolytidae, Smell.
                                                                                                               14223-68
                                                                                                                  AN INTERESTING REARING OF EUDIA PAVONIA (ATTACIDAE). (PR )
                                                                                                                  G Lugnet
                                                                                                                  Alexanor 5(1):2-7
1967 421 AL2
   Abstract
                                                                                                                  Insect rearing, Saturnia pavonia, Saturniidae.
14214-68
  GROWIE CABINET FOR THE EPPICIENT BANGLING OF CONTAINERS USED FOR BEARING INSECTS.
                                                                                                               14224-68
                                                                                                                  APPBESSORIUM-LIKE STRUCTURES IN INSECT PARASITIZING
                                                                                                                  APPERSSURIUM-LINE SINCELURES IN TRANSCRIPTION DEUTEROMYCETES.

M F Madelin R K Bobinson R J Williams
J Invertebrate Pathol 9 (3): 404-412 REP
Sep 1967 421 J826
Beanveria bassiana, Caterpillars, Deuteromycetes,
   R Kasting A J McGinnis
Can Entcwol 100(2):193-195
   Peb 1968 421 C16
   Agrotis crthcgonia, Insect nutrition,
Insect rearing equipment, Parasitic insects.
                                                                                                                  Entomogenous fingi, Insect diseases, Metarrhizium anisopliae,
Phytodecta olivacea, Poecilomyces farinosus, Tenebrio molitor,
   Abstract
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RIRLIOGRAPRY

10 14225-68 14234-68 Icmaspis saccharina. STARILITY OF CHILO IRIDESCENT VIRUS. (JA) J Mitsubasai K Koyama Jap J Appl Entomol Zool 11(4):177-181 Dec 1967 475 J27 Chilo, Iridescent virus. English summary 14225-68 THE ATTFACTION OF SAITS AND CTHER NUTRIENTS TO THE LARVAE OF FAFRIC INSECTS. A Mallis E T Eurton A C Miller J Econ Entosol 55(3):351-355, TARS. Jun 1962 421 J822 Abstract Anthrenus flavices, Attagenns ricens, Attractants, Rcuschold insects, Insects, Larvae, Salts, Textiles, Tineola bisselliella. 14235-68 ON THE RIOLOGY OF TRE SOUTE AFRICAN CITRUS PSYLLA, TRIOZA ERYTREAE (LEL GUERCIO) (ROMOPTERA: PSYLLIDAE). V C Moran J R Blowers Entomol Soc Southern Afr J 30(1):96-106 REP Jun 1967 420 EN86 14226-68 SEXUAL EREAVIOUR. A Manning Rcy Ertcmcl Scc London Symp 3:59-68 REF 1966 420 E61 Citros, Insect biology, Psyllidae, Trioza erytreae. Abstract Insect behavior, Reviews, Sex behavior. 14236-68 A NEW RRACONID PARASITE OF THE POTATO TURERWORM (HYMENOPTERA) . PEECOCICUS TERMINATION OF CELIGATORY DIAPAUSE IN FIELD-COL-LECTED FUFAE OF ANTHERAFA FOLYPREMUS. A Mansingh E N Smallman Can Ertemol 100 (2): 134-139 Peb 1968 421 C16 C E W Mneseheck Entomol Soc Wash Proc 69(2):177-178 Jun 1967 420 W27 Rraconidae, Insect taxonomy, Orgilas leridas, Parasitic insects, Phthorimaea opercalella. Antheraca polypherus, Diapause, Insect mortality. 14237-68 Abstract A CULTURE METROD FOR MYRMECOPHILCUS ROOT APRIDS. D A Muir 14228-68 VEFTEERATE PRECATION ON TRE JACK-PINE RUDWORM IN MICRIGAN. W J Mattscn P E Knight D C Allen J L Poltz J Econ Entemol 61(1):229-234 REE Rull Entomol Res 51(1):7-8 Apr 1960 421 R87 Aphididae, Culture media, Pormicidae, Myrmecophilons insects. Pet 1968 421 J822 Birds, Chcristoneura ginns, Forest insects, 14238-68 Insect populations, Mammals, Predatory animals. SYNERGISM OF MALATHION AGAINST TRE NORTHERN FOWL MITE. T E Nelson K M R Rertun J Econ Entomol 58(6):1117-1118 Dec 1965 421 J822 Insecticide resistant insects, Insecticide synergists, Malathion, Ornithonyssns sylviarnm. 14229-68 EFFECT OF DIET ON THE LIPID COMFOSITION OF THE COCKROACE ELAEFEUS DISCOIDALIS. LIBOUTE A E S CASSÍA Compar Eicchem Physiol 22(2):427-433 RBP Aug 1967 444.E C73 Riochemistry, Rlaberus discoidalis, Chromatography, Diet, Fat body, Eatty acids, Lipids. 14239-68 PRELIMINARY REPORT OF THE EPPECTS OF RACTERIAL SPECIES UPON TRE EUROPEAN CORN RORER. D R Nesbitt R L Zimmack J Econ Entomol 61(2):462-464 Apr 1968 421 J822 Abstract Racteria, Insect diseases, Ostrinia nubilalis. 14230-68 THE INPLUENCE OF THREE INSECTICIDES ON PREDATION OF THE PEAR Abstract THE INFLUENCE OF THREE INSEC-PSYLLA, FSYLLA FYFICCIA. E D McMnllen C Jong Can Ertcmol 99(12):1292-1297 Dec 1967 421 C16 14240-68 SUSCEPTIBILITY OF WIREWORMS TO ALDRIN IN EASTERN WASRINGTON. J A Cnsager J C Maitlen J Econ Entowol 59(5):1120-1123 Azinghosmethyl, Ddt, Insecticides, Psylla pyricola, Ryania. Abstract 1966 421 J822 Aldrin, Insecticide resistant insects, Limonius californicus. 14231-68 THE RELATION ESTWEEN SOIL WATER TENSION AND GROWTR RATE OF LARVAE OF TIPULA CLERACEA AND T PALUDOSA (DIPTERA) IN 14241-68 TRE ARTIFICIAL PEEDING OF FHOSPRAMIDON TO MYZUS PERSICAE: I. INTRASPECIPIC DIFFERENCES EXRIRITED BY TRIS APRID ON FEEDING TREOUGR A PARAPILM MEMBRANE. A Beats A neads Entowel Exp Appl 10(3):312-320 1967 421 EN895 Growth factors, Larvae, Soil moisture, Tipula oleracea, W R Parry J E Ford Entomol Exp Appl 10(3):437-452 REF Tirnla raludosa, Inrf. German summary 1967 421 EN895 Peeders, Feeding, Byzus persicae, Phosphamidon. Prench summary Abstract Abstract 14232-68 MORPHOLOGICAL AND RIOLOGICAL INVESTIGATIONS OF CLONES AND 14242-68 EIFLD POPULATIONS OF THE GRFFN-ELECKED POTATO APRID, AULACCRIBEUM SOLANI KLTE 1843 SENSU LATICRE (REMIFT. NUCLEAR POLYREDROSIS OF THE GRAM POD RORER, RELIOTHIS R C Patel P E Patel J Econ Entomol 61(1):191-193 APRIL.). (GE) W Meier Schweiz Ertomol Ges Mitt 39(3/4):129-150 15 Apr 1967 420 S#6 Acyrttosiphon solani. Peb 1968 421 J822 Heliothis armigera, Insect diseases, Insect rearing, Polyhedroses. English snamary. In a laboratory insect rearing study. Abstract SOME FELATIONSHIPS OF PACE FLY FEEDING, OVARIAN DEVELOPMENT, 14243-68 A Miller R P Treece J Econ Entomol 61(1):250-257 REF ROUSE-PLY ADENOSINETRIPHOSPHATASES AND TREIR INHIRITION RY INSECTICIDAL ORGANOTIN CONFCUNDS. G R Fieper John E. Casida J Econ Intomol 58 (3):392-400, RIBL. 399-400 Jnn 1965 421 J822

Adenosinetri, posphatase, Insecticides, Musca domestica, Organotin compounds.

Pet 1968 421 J822

Dairy cattle, Insect behavior, Insect nutrition, Insect physiology, Musca antumnalis, Ovaries. Abstract

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14244-68
   ACTIVITY AND CONTROL OF WOODLAND INSECTS.
  D A Fierce
Agr Chem 23(5):33,36-37
Hay 1968 381 AG8
   May 1568 3E1 AG8
Madelges, Racillus thnringiensis, Choristonenra, Dendroctonus,
Forest insects, Insect control, Insect pests, Zectran.
   A NCTE CN THE OVIECSITION OF SIMULIUM (S.) ARGYREATUM
   EFIGEN.
   A F Fcole
   Entomologist (london) 100 (1248):121-123
May 1967 421 EN8
   Insect tehavior, Cvulation, Simulium argyreatnm.
   THE PROSPHCLIPASE AND GELATINASE ACTIVITY OF GRAM-NEGATIVE FACTERIA ISOLATED FROM DISEASED INSECTS, AND TYPING OF
   STRAINS OF SEBRATIA MARCESCENS.
   R F Frinslcc
   J Invertebrate Pathol 9(3):420-427 REF Sep 1967 421 J826
   Racteria, Gelatinase, Insect diseases, Phospholipase,
Serratia marcescens.
   Abstract
14247-68
   FABTURITION IN THE SCERPION ISCHETRUS MACULATUS DE GEER
   (EUTRIDAE) . (GE )
   P Proist
   Rev Suisse Zccl 47(3)616-619
1967 410 E324
   Isometrns maculatus, Reproduction.
   FARASITES OF THE LEAF ROLLERS ARCHIES ARGYROSPILUS AND A
   GRISIUS IN CONNECTICUT.
   R J Frokepy
J Feon Entemol 61(2):348-352 RFF
Apr 1968 421 J822
   Apples, Archips argyrospilus, Archips griseus, Connecticut, Rymencptera, Farasitic insects, Tachinidae.
   Abstract
   HISTCICGICAL CRANGES IN PLUSIA ORICRALCEA CAUSED RY
   RACILIUS THURINGIENSIS.
   N Bamakrishnat L D Tiwari
J Invertebrate Fathol 9(4):579-580
   Dec 1967 421 JR26
Racillus thuringiensis, Insect diseases, Insect histology,
   Flusia crichalcea.
14250-68
   NCTES ON THE TOXICITY OF A COMMERCIAL PREFARATION OF
   BACILIUS TRURINGIENSIS VAR. TRUBINGIENSIS RERLINER
CB SCME LEFICCPTERA AND TENTERELINIDAE LARVAE.
   J Rantagaa
   Ann Agr Fenn 6 (2-3):103-105 REF
1967 20 AN7
   Athalia colibri, Facillus thuringiensis,
Riological control (insects), Larvae, Lepidoptera,
Fieris trassicae, Flutella maculipennis, Priophorus tristis,
Pteronns ribesii, Tenthredinidae.
   English and finnish abstracts.
Abstract: The toxicity of the commercial R. thuringiensis
  Abstract: The toxicity of the commercial R. thuringiensis preparation Rictrol BTR, proc. 183, containing 25 x 109 spores per gram, to the larvae of Plutella maculipennis, Pieris trassicae, Athalia colibri, Pteronus rihesii and Priophorns tristis, was tested in the laboratory. At each rate of application (0.5, 1, 2 and 3 grams per square metre) the powder caused the death of the P. maculipennis larvae within 2-3 days and the death of P. brassicae larvae within 5-6 days. The effect of the preparation upon the sawfly larvae was slower, and some of these pnpated. Nevertheless, 63-100 percent of the A. colibri larvae died within 7 days, 83 percent of the F. ribesii larvae within 13 days and 82 percent of the P. tristis larvae within 13 days.
   days.
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14251-68

NOTES ON THE LIFE HISTORY OF ALFOCRARA RILINEATA (GYLL.) (CCLECFIERA: STAPHYLINIDAE), AND ON ITS POTENTIAL VALUE AS A CONTROL AGENT ECH THE CAPEAGE MAGGOT, HYLEMYA RRASSICAE (ROUCEE) (LIFTERA: ANTHOMYIDAE). D C Read Can Entemol 94(4):417-424, FIRL. 423-424 AFF 1962 421 C16 Alecchara tilineata, Rylemya trassicae, Parasitic insects. 14252-68 A MORFROLOGICAL AND FUNCTIONAL STUDY OF THE VENOM APPARATUS IN REPRESENTATIVES OF SOME MAJOR GROUPS OF RYMENOPTERA. L Robertson Australian J Zool 16(1):133-166 REF Peb 1968 410 A073 Hymenoptera, Insect morphology, Insect physiology, Poison glands, Reproductive organs.

Abstract: Principally Australian species considered, and relationship between venom apparatus and accessory reproductive glands of other insects is given. Evidence is presented of evolutionary continuity among hymenopterons groups. Major changes of form in components of apparatus is related to what is known of changes in functions

14253-68 AN AUTOGENOUS GYNANDROMORPH OF CULEX TARSALIS COO. AR Rosay Mosquito News 28(1):120 REP Mar 196R 421 M85

Culex tarsalis, Gynandromorphism, Insect morphology.

14254-68 ANATOMY AND HISTOLOGY OF RODOLIA CARDINALIS MULS. (COLEOPTERA COCCINFLLIDAE). (IT) G Russo Portici Lah Entomol Agr Filippo Silvestri Boll 24:247-307 REF 1966 420 PR2B Insect anatomy, Insect histology, Rodolia cardinalis. English summary.

14255-68 EVALUATION OF THE EFFECTIVENESS OF SOME ORGANOPHOSPHORUS INSECTICIDES AGAINST TWO SPECIES OF APHIDS. R S Saini Indian J Entomol 29(1):34-43 REF Mar 1967 420 IN23 Aphididae, Aphis gossypii, Chili, Cotton, Cruciferae, Diazinon, Eggplant, Ryadaphis psendohrassicae, Insecticide application, Hethyl demeton, Mevinphos, Okra, Parathion. Abstract

14256-6R SELECTION OF PUPATION SITE RY DROSOPHILIA MELANOGASTER AND D. SIMULANS.
D D Sameoto R S Miller Ecology 49(1):177-180 WINTER 196R 410 EC7 Prosophila melanogaster, Drosophila simulans, Hnmidity, Insect behavior, Insect populations, Larvae.

Abstract: D. melanogaster and D. simulans larvae were tested to determine their choice of pupation site in relation to larval density and moisture content of the medium.

14257-68 CHANGES IN THE CONIENTS IN RESPECT TO THE ENERGY PRODUCING RESERVE MATERIAL DURING THE CAST DIPPERENTIATION OF FORBICA POLYCTENA FOERST (INS. HYM.). (GE) G R Schmidt Riol Zentralbl 86(1):5-66 REF Jan 1967 442.8 R523 Riochemistry, Formica polyctena, Insect physiology, Respiration. English and German summaries Abstract

1425R-68 ORSERVATIONS ON CULEX PIPIENS LARVAE INFESTED WITH VORTICELLA SF. R Schober Mosqnito News 27(4):523-524 REP Dec 1967 421 M85 Cnlex pipiens, Insect diseases, Larvae, Protozoa.

PAROUS/NULLIPAROUS CONDITION OF UNPED ANOPHELES GAMRIAE AND ANOPRELES PUNESTUS CAPTURED IN EXIT TRAPS. L S Self C P Pant Mosgnito News 28(1):62-64 REF Mar 1968 421 M85 Anopheles funestus, Anopheles gambiae, Feeding, Anopheles runestus, Anopheres gamplae, recurry,
Insect behavior, Reproduction.

Abstract: During August through October 1966, approximately 40.9 percent of the anophelines leaving village huts near Kaduna in Northern Nigeria were macroscopically classified as nnfed. Simple age-grouping of unfed A. gambiae and A. funcestns indicated that 56.1 percent and

10 14260-68

35.9 percent respectively were nulliparous. A small percentage of the nulliparous and parous specimens of both species were found to have blood in the stomach when examined microscopically.

A SECRETORY AFERTURE ON THE FIRST SEGMENT OF THE CHELICERA IN THE NEMASTICMATICAE, AND ITS USE IN TAXONOMY (OFILIO-NIUEA). (GE) V Siltavy Acta Ent Echemoslev 64(4):319-321 1967 420 C33 Anatomy, Insect taxonomy, Nemastomatidae, Phalangida.

EFFECT OF GAMMA IFFAUIATION ON THE GROWTH RATE OF SPECIES CF EACITIUS CEREUS GROUP. W A Smirnott & Cantin J Invertetrate Fathol 9(3):357-363
Ser 1967 421 J826
Bacillus cereus, Eacillus thuringiensis, Gamma rays,
Insect diseases, Irradiation.
B. thuringiensis varieties

14262-6F

INSECT COLCUIZATION AND MASS PRODUCTION. OL497 -S6. C N Smith
618 P. ACALEBIC PRESS, NEW YORK Experimental insects, Insect rearing.

14263-68

HYDROGEN ICN CONCENTRATION (PH) AS RELATED TO TRE OCCUR-BENCE AND AEDNDANCE OF THEE-BOLF DWELLING CULICOIDES SPP, (LIFTERA: CEBATCFCGONIDAE IN NOETHERN FLORIDA. W W Smith J B Varnell
Mosquitc News 27 (4):519-521
Ucc 1967 421 M85 Culiccides, Forest insects, Hydrogen-ich concentration.

14264-68

PREVIOUSLY UNREPORTED ACCESSIONS FOR DIAGNOSIS AND NEW RECCEES. E A Steinhaus G A Marsh J Invertebrate Fathol 9(3):436-438 Sep 1967 421 J826 Entomogenous fungi, Insect diseases, Viruses.

14265-68

THE SYNCHECNIZATION OF THE LIFE CYCLE OF UIAPAUSING PACE PLIES, MUSCA AUTUMNALIS, AND OF THE NEMATODE, HETERCIYLENCHUS AUTUMNALIS. J G Stoffoland J Invertebrate Pathol 9(3):395-397 Sep 1967 421 J826 Heterctylenchus autumnalis, Insect biology, Musca autumnalis, Nematcdes, Parasitism.

REMATCUE PARASITE (HETEROTYLENCRUS SP.) OF PACE ELY IN NEW YORK STATE. J G Stoffolano Jr W E Nickle J Econ Entruol 59(1):221-222 Feb 1966 421 J822 Biological control (insects), Reterotylenchus, Musca antumnalis, Nematodes, Parasitic insects, Parasitic nematodes, Farasitism.

14267-6E REASING METBOUS FOR STUDYING THE EPHECT OF THE PHYSIOLOGICAL

CONDITION OF THE HOST PLANT ON THE POPULATION DEVELOPMENT OF PANCHYCEUS OLF: (KCCH). J J R Storms Wageningen Inst Flantenziektenkundige Onderz Mededel 7(2):79-85 EEE 1965 464.5 W123 Apples, Arthropod rearing, Eiet, Nitrogen, Plant physiology, Tetranychus orticae. English and italian abstracts Abstract: To study the relationships between a phytophagous pest and its host plant, spider mite is reared on leaves of one year old apple rootstocks growing in a gravel-colture confeeding sclutions with various nitrogen levels. The difficulties met in these experiments are discussed. Also some data concerning the rearing of Tetranychus urticae on an artificial diet are given.

14268-68 AGGREGATION BERAVIOR OF PEA APHIUS, ACYPTHOSIPHON PISUM. F E Strong Entowol Exp Appl 10(3):463-475 REF 1967 421 EN895 Acyrthosiphon pisne, Insect behavior. German summary Abstract

1269-68
INFECTION OF CULTUBEU SILKWORM EMBRYOS WITH TRE
CYTOPLASMIC-FOLYHEUROSIS VIRUS. (JA)
T Takami H Sugiyama T Kitazawa T Kanda
Jap J Appl Entomol Zool 11(4):182-186
Uec 1967 475 J27 Bombyx mori, Insect diseases, Polyhedroses. English summary

14270-68
A CHROMOSOME STUDY OF TWO PARTHENOGENETIC SCOLYTID BEETLES. Y Takenouchi K Takagi Annot Zool Jap 40(2):105-110 REF Annot 2001 Jap 40(2), 103-110 mr.
Jun 1967 410 AN79
Chromosomes, Parthenogenesis, Xyleborns.
Abstract: Chromosomes in cleavage and germ cells of
Xyleborus germanns and X. compactns, were studied. Special emphasis was given to parthenogenetic reproduction. Pemales which developed from fertilized eggs were diploid, remaies which developed from reffilized eggs were diploid, while males derived from unfertilized eggs were haploid. In males, the first and second divisions in germ cells were mitotic. They showed no evidence of abortive division. The two species propagate by haploid parthenogenesis. This is the first to be recorded for Scolytidae.

14271-68

THE BIOLOGY OF MONTANUONIELLA MORAGUESI PUTOR, A PREUATOB OF GYNATROTHRIES FICORUM MARCHAL, IN EGYPT (HEMIPTERA-BETEBCCPTERA: ANTHOCORIOAE). M F S Tawfik A Nagui Soc Entomol Egypte Bull 49:181-200 1966 420 EG9 Ficus nitida, Gynaikothrips ficorum, Montandoniella moragnesi, Predaceous insects.

14272-68
NOTES ON ENTCHOPHTHOROUS FUNGI ON BELEONYZIUAE AND CULICIONE (UIPTERA).

H H Teernstra-Eeken A Engel
J Invertebrate Pathol 9(3):431-432 Sep 1967 421 J826 Culicidae, Entomogenous fungi, Entomophthora, Releomyzidae.

14273-68

A COMPARATIVE STUDY OF GASTRIC CAECA IN AUULT AND LARVAL STAGES OF BARK BEETLES (COLEOPTERA: SCOLYTIDAE). J B Thomas Entomol Soc Ontario Proc 97:71-90 REF 1966 420 ON8 Porest insects, Gastrointestinal system, Scolytidae.

14274-68

SWARMING BERAVIOR OF MANSONIA PERTURBANS (WALKER). P B Thompson Amer Midland Nathr 77(2):533-535 REF Apr 1967 410 M58 Apr 1967 410 M58
Insect behavior, Mansonia perturbans, Sex behavior, Swarming.
Abstract: Swarms of Mansonia perturbans (Walker) were
witnessed within an oak-marle forest near Madison,
Misconsin, at sunset on two evenings in late June, 1961.
Swarming, mating, and feeding occurred simultaneously on
both evenings. Mating took place in flight and was not
observed ontside of swarms.

14275-68

MITES PROM NOCTUIU MCTBS. E Treat Lepidopterists Soc J 21(3):169-179 1967 421 L554 Mites, Noctoidae, Parasitic insects.

14276-68

OBSERVATIONS ON BETEROTYLENCRUS AUTUMNALIS IN BELATICM TO THE FACE PLYL R E Treece T A Miller J Econ Entomol 61(2):454-456 Apr 1968 421 J822 Heterotylenchus antomnalis, Mosca automnalis, Nematodes, Parasitism. Abstract

14277-68
BEHATIVE TCXICITY OF SCME INSECTICIDES TO THE HAIRY CATER-FILLAE, DIACHISIA CELIÇUA (AECTIDAE: LFFIDCPTERA).
E. Trigathi
Indian J Frtoscl 28(4):561-563
Dec 1566 420 IN23
Diacrisia chliqua, Endosulfan, Insect pests, Insecticides, Jute, Iarvae, Farathion, Toxicity.

14276-68
CITRONS EBCM MEDITESSANEAN FRUIT ELY INEESTED COUNTRIES.
ETBYLENE DIEECTIOF FOMIGATION.
Eed Segist 33(2):77
04 Jar 1966 L1.451
Ceratitis capitata, Citron, Ethylene dibromide, Fumigation, Charantine.

14279-68
A CYTCFLASEIC FCIYHEDBOSIS OF THE CABBAGE LOOFER,
TEICHCPIUSIA NI.
P V Wail T Miller I M Hall
J Invertebrate Fathol 9(3):436,439-441
Sep 1567 421 J826
Caterpillars, Insect diseases, Mortality, Polyhedroses,
Trichcplusia ni.

142ED-68
INSECT EHELATORS OF MOMMIFIED PFA AFHIDS.
A G Waceler J T Hayes J L Stephens
Can Entomol 100(2):221-222
Ech 1566 421 C16
Acyrthosiphon pisum, Aphididae, Praon, Predaceons insects.

14261-6E
BIOLOGY OF THEFE SPECIES OF IFICPBBON (HYMFNOFTEBA:
FRACONITAF, FDFECEINAF) PARASITIC ON MIBIDAE ON BEOOM.
N Walcff
BOY FINTENCI Scc London Trans 119(6):187-213 BEE
27 Jun 156m 420 L64
Cytisns, Insect fests, Leiofhron, Miridae, Parasitic insects.

14282-68
SPIDERS ASSOCIATED WITH THE FALL WEBWORM, HYPHANTRIA CUNEA (LEFLICETERAL ABCTIDAE).

I C WARTEN WE Peck M Tadic Rans Entoncl Sec J 40(3):382-395 REE Jul 1967 420 R13
Bythantria cunea, Parasitic insects, Predaceous insects, Spiders.
Abstract

14283-66
PROTEIN SYNTHESIS IN THE TISSUES OF THE SILKWCBM, BCMBYX
MCFF, INFECTED WITH NUCLEAR-FOLYFEDRCSIS VIRDS.
H Watanake
J Invertetrate Fathol 9 (3):428-429
Sep 1967 421 J826
Biochemistry, Bcmtyx mori, Insect diseases, Insect physiology, Folyhedroses, Froteins.
Abstract

4924-66
STUDIES ON THE GABDEN SYMPHYLAN, SCUTIGERELLA IMMACULATA (SYMPHYLA: SCUTIGEFELLICAE).
J S Waterhouse
Can Ertcacl 100 (2):172-178 BFF
Pet 1966 421 C16
Humidity, Mcrtality, Scutigerella immaculata, Soil moisture.
Abstract

14285-6E

EFFECTS OF ARRY ANT QDEFNS ON LONGEVITY OF THEIB WORKEBS (FORBICIDAF: ECRYLINAE).

J F Watkins C W Fettenmeyer
Fsyche 74(3):228-233 FEE
Ser 1967 421 195
Ecrmicidae, Insect physiology, Insect rearing, Longevity, Queen ant.

14286-68
BESPIBATICN AND TRACHEAL VENTILATION IN LCCUSTS AND OTHEB
FLYING INSECTS.
T weis-Eogh
J Fir Biol 47(3):561-587 BFF
Dec 1967 442.8 E77
Insect respiration, Odonata, Schistocerca gregaria, Trachea,
Vessa cratrc.
Abstract

14287-68
PARASITIC TBOMBIDIID MITES ON DASYHELEA MUTABILIS
(COQUILLETT) (DIPTERA: CERATOPOGONIDAE).
B H Whitsel R E Schoepgner
Entomol Soc Wash Proc 69(3):284-286
Sep 1967 420 W27
Dasyhelea mutabilis, Parasitism, Trombidiidae, Valgothrombium.

14288-68

THE BIOLOGY OF THE FIR TREE BORER, SEMANOIDS LITIGIOSUS (COLEOPTEBA: CERAMBUCIDAE), IN CALIFORNIA.

B E WICKMAN

Can Entomol 100(2):2D8-22O,MAP

Feb 1968 421 C16

Hibernation, Host specificity, Ovifosition,
Semanotns litigiosus.

Abstract

14289-68
SUMMABY OF PABASITE AND PREDATOR LIBERATIONS IN CANADA AND OF INSECT SHIPMENTS FROM CANADA IN 1966. SB975.C3.
G D WILLIAMSOD
13 P. BELLEVILLE, CNTABIO
1966
Canada, Eoreign trade, Host specificity, Insects, Parasitism, Predaceous insects.

14290-6B
THE CONSERVATION AND ADGMENTATION OF NATURAL ENEMIES. IN:
FAO SYMPOSIUM ON INTEGRATED PEST CCNTBOL, ROME, 1965.
PROCEEDINGS. SB951. F62.
E Wilson
3:21-26
1966
Beneficial insects, Natural control (insects).

14291-68
LIEE HISTOBY AND HABITS OF RBABDOPHAGA SP (DIPTEBA: CECIDCMYIIDAE), A GALL BIDGE ATTACKING WILLOW IN HICHIGAN.
L F Wilson
Can Entownol 1D0 (2):184-1B9
Eeb 1968 421 C16
Cecidomyiidae, Eggs, Genetics, Hibernation, Parasites,
Rhabdophaga.
Abstract

14292-68
A BIOASSAY OF THE PHEROMONE OF TROGODERMA GRANARIUM MALES AS AN ATTRACTANT FOB BOTH SEXES OF THE SPECIES.
U Yinon A Shulov
Entomol Exp Appl 10 (3-4):453-462 REF
1967 421 ENB95
Attractants, Biological assay, Hormones, Pheromones,
Trogoderma granarium.
Abstract

14293-68
PRELIMINARY EVALUATION OF HELIOTBINE AS A STERILITY AGENT
FOR EACE ELY.
B M Zapanta C W Wingo
J Econ Entomol 61(1):330-331
Beb 196B 421 J822
Chemosterilants, Beliotrine, Musca autumnalis.

Genetics

14294-68
CROSSING OVER IN THE CHBOMOSOMAL BEGION DETERMING AMYLASE ISOZYMES IN EBOSOPHIIA MELANOGASTER.
E Bahn
Hereditas 58(1-2):1-12 REF
1967 442.8 B42
Amylases, Drosophila melanogaster, Electrophoresis, Enzymes, Genes, Insect genetics.
Abstract: A simple zymogram technique allows separation of amylase components in homogenates of single individuals of Drosophila melanogaster. Recombination analysis has demonstrated spatial separation with a linkage intensity of the order of 1/13,000 (0.008 map nnits) of pairs of amylase genes each determining a single zone of amylolytic activity in the electrophoretic handing pattern.

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14295-68

SFONTANEODS CEOSSING CVEF IN THE MAILS OF DROSCFRIIA ANAMASSAF: The-WAY SELECTION FOR BECOMBINATION VALDES. F G Kale
Jap J Genet 43(1):27-31 REF Mar 1966 442.5 J27
Drosophila anamassae, Insect genetics.

THE HCDE OF INHERITANCE OF DIFLORIN-RESISTANCE IN ANOPHELES (A.) ESFUCCEDENCTIFINIS AND THE CROSSING OF POPULATIONS OF THIS SPECIES- ERON VARIOUS FARTS OF MEXICO.

A Martinez-Falacies G Uavidson Mosguite News 27 (1):55-56 REF Mar 1967 421 M85

Anopheles psendofunctifennis, Dieldrin, Insect genetics, Insecticide resistant insects.

Abstract: Dieldrin-resistance in A. pseudopuncifennis is defendent on a single, partially-dominant, genetic factor. The results of crossing five populations of this species from different malaria areas of Mexico indicate that all the populations of this area helong to the same species.

10007 66

A NATURAL SEX IDRE EXTRACTED FECH FEMALE PINK BOLLWORDS.

H T Cnye F A Entt
J Econ Entemol 55 (3):419-421
Jun 1962 421 J822
Pectinophora gossypiella, Sex attractants.

14298-68

EVIDENCE FOR GENE ROMOLOGY OF TWO PEARL-EYED GENES IN TRIBOLIDM CASTAMEUR AND TRIBOLIDM CONFUSUM.

C W Echerte D Juriloff
Can J Genet Cytol 10(1):139-142 REP
Mar 1968 443.8 C16
Eyes, Genes, Insect genetics, Tribolinm castaneum,
Tribolinm confinent.
Abstract

14299-68

SELECTION FOR SDPERNDMERABY Y-CHRCMCSOMES IN DERMESTES MACGLATOS (CCLEOPTERA: UERMESTICAE).
U U Shaw
Can J Genet Cytol 10(1):54-62 RFP
Mar 1966 443.8 C16
Chromoscues, Dermestes maculatns, Insect genetics.
Abstract

14300-68

THE STRDCTURE OF SALIVARY GLANDS AND GLANT CHROMOSOMES OF SCRE CHIRCHONID LARVAR, ITS RELATICE TOWARD THE WAY OF LIPE AND INFECTIANCE FOR THE UETTERMINATION OF SPECIES.

V Tavcar

Eicl Glas 19(1-2):11-17 REP
1966 510 Z1E
Chircromidae, Chromosomes, Insect hehavior, Insect morphology, Larvae, Salivary glands.
Abstract: Larvae which bnild living spaces or construct nets have salivary glands which consist of hig cells with hig nuclei. Larvae that live a predatorious way of life, bnilding neither living spaces nor nets have smaller salivary glands, and their tiny nuclei are of exceptional significance. Structure of chromosomes is not clear and

14301-68

OF TRE X CEROMOSCHE IN MEICSIS OF MALE OMOPHOITA SDPERBA WEISE (CCLECTERA, ALTICIDAE).

N Virkki

Bereditas SE(1-2):262-264 BEF
1967 442.8 B42
Chromoscnes, Chrysomelidae, Coleoptera, Insect genetics, Meicsis, Cacphoita.

RAPID ALLCCYCLIC CRANGES IN THE CENTRIC AND AN ARM SEGMENT

they are nuconvenient for the determination of species.

Medical Entomology

14302-68
ARROVIRUS STDUIES IN BDSR BDSR POREST, TRINIDAD, W. I., SEPTEMBER 1959-UECEMBER 1964. II. FIELD PROGRAM AND TECHNIQUES.
TR G Aitken CB Worth AR Jonkers ES Tikasingh WG Downs Amer J Trop Med Ryg 17(2):237-252, MAP REF MAR 1968 448.8 AM326
Arhoviruses, Arthropoda, Birds, Chickens, Diptera, Ecology, Insect vectors, Rodents.

14303-68

EVALUATION OF INSECTICIDES AGAINST FOUR SPECIES OF ACDLT MOSQDITOES IN TRE PANAMA CANAL ZONE, 1967.

R M Altwan M M Roreham Mosquito News 27 (4):506-508 REF Dec 1967 421 M85

Aedes taeniorhynchns, Anopheles alhimanns, Chemical control (insects), Culex pipiens gninguefasciatns, Fenthion, Insecticidal aerosols, Malathion, Mansonia, Naled. Abstract: In December 1966 and Jannary 1967 two series of tests were conducted at F7. Clayton, Canal Zone to determine the effectiveness of nonthermal aerosols of several insecticides to caged mosgnitoes. Based on the percentage concentration, fenthion was more effective than naled which was in turn more effective than malathion.

14304-68
PROBLEMS IN THE CDLTIVATION OF SOME PARASITIC PROTOZOA.
A Bishop
Advances Parasitol 5:93-138 REF
1967 436.8 Arg
Culture media, Insect vectors, Protozoa.
Includes hiology in insect vectors.

14305-68
DEVELOPMENT OF RICKETTSIA PROWAZEKI IN CERTAIN SPECIES OF IXODID TICKS.
W Burgdorfer R A Ormshee Acta Virol 12(1):36-40
Jan 1968 448.3 AC85
Dermacentor andersoni, Ryalomma anatolicnm excavatum, Ryalomma dromedarii, Ixodidae, Rickettsia prowazeki.

14306-68
OBSERVATIONS ON TOXORHYCRITES SPLENDENS (MIEUEMANN)
(DIPTERA: CDLICIUAE) IN SINGAPORE.
K I Chan
Hosgnito News 28(1):91-95 REP
Har 1968 421 M85
Aedes, Fiological control (insects), Insect physiology,
Predaceous insects, Toxorhynchites splendens.

(4307-68
SIMIAN MALARIAS IN MAN; PACTS, IMPLICATIONS, AND PREDICTIONS.
G R Coatney
Amer J Trop Med Hyg 17(2):147-155 REP
Har 1968 448.8 AM326
Anopheles, Hnman diseases, Insect vectors, Malaria, Monkeys, Plasmodinm, Zoonoses.

14308-68
STDDIES ON TRE TRANSMISSION OF SIMIAN MALARIA. III. INFECTICA AND TRANSMISSION OF PLASMODIUM COATNEYI WITH ANOPHELES PREZEDORNI AND A. FALARACENSIS RALARACENSIS WOSQDITORS.
WE Collins P G Contacos E G Gninn J R Held J Parasitol 53(6):1130-1134
Dec 1967 448.8 J824
Anopheles balabacensis, Anopheles freeborni, Insect vectors, Monkeys, Plasmodium.

14309-68
STDUIES OF TENSAW VIRUS IN ANOPRELES QUADRIMACDIATDS, A. ALBIMANDS AND A. MACDIATDS.
W F Collins A J Harrison
Mosgnito News 27(1):1-5 REP
Har 1967 421 #85

Anopheles alhimanus, Anopheles machlatus, Anopheles guadrimaculatus, Arhoviruses, Insect vectors, Teusaw virus.
Abstract: Mosquitces were infected with Tensaw virus using the membrane feeding technique. Transmission of Tensaw virus was ottained by the feeding of A. quadrimaculatus and A. altimarus cu suckling mice after 12 to 14 days of extrinsic incubation. The amount of virus initially ingested did uct appear to affect the transmission rate.

14310-66
TRANSPISSION OF PIASHCLIUM FIFLLI BY ANOFHELES MACULATUS,
A. STFFFERSI, AND A. FALARACENSIS FALARACENSIS.
W E Collins F G Contacos E G Guinn J R Heid
J Farasitol 54 (2):376
Apr 1566 44E.6 J624
Anopheles talataceusis, Anopheles maculatns,
Auofheles stephensi, Iusect vectors, Houkeys,
Plasmedium fieldi.

14311-6E
TRE FFFECT OF GAMMA IBRADIATION ON REPRODUCTION AND LIFE
SPAN OF THE MCSQUITC CULEX TARSALIS COQUILLEETT.
I Darrow
Mosquitc News 28(1):21-24 RFF
Mar 156E 421 M55
Culex tarsalis, Gamma rays, longevity, Regroduction.

14312-66
NEW CHEPICAL ATTRACTANTS FOR YELLOW JACKETS (VESPULA SPP.).
B G Lavis 1 F McGoveru G W Fddy T E Nelson K M R Bertun
J Ecor Entcaol 61(2):459-462
Apr 1566 421 J822
Attractauts, Vespula.
102 Syuthetic organic compounds
Abstract

14313-68
RESPONSES OF AEDES AEGYFTI (L.) FROM ALARAMA, GEORGIA
AND SCUTE CARCLINA TO DDT, DIFLDEIN, AND FALATHION.
A D Flynu B F Schoof
Mosguito News 27(4):509-512 REF
Dec 1967 421 MRB
Aedes aegyfti, Chemical coutrol (iusects), Dieldrin, DDt,
Insecticide resistant insects, Malathiou.
Abstract: Of the strains from Alahama, two were resistant
to DDT (adults), cue slightly resistant to dieldriu
(adults), and none resistant to malathion. From Georgia,
all strains of the adult stage were resistant to DDT, oue
strain (Albany, adult and larval stages) to dieldriu, and
uoue to malathion. Strains from South Carolina were
succeptible to all of these toxicauts.

14514-6E
RESPONSES OF MOSQUITOES AND STAFLE FLIES TO A MAN IN A
LIGHT-WFIGHT BUFFFF CIVING SUIT.
R K Gcuck I R Gilbert
J Econ Entemol 55(3):386-392, TARS.
Juu 1562 421 J822
Culicidae, Humau eugineeriug, Rumans, Stomoxys calcitraus.

4315-66
EVCIUTIONARY TRENTS IN MAMBALIAN TRYPANOSOMES.
C A Ecare
Advances Farasitol 5:47-91, MAP FEF
1967 436.8 AD9
Animal diseases, Fvolntiou, Human diseases, Insect vectors,
Mammals, Trypanosomatidae.
Includes insect vectors.

4316-66

SEASCANI ACTIVITY OF MOSQUITC PREDATORS IN WOODLAND POOLS IN CNTABLC.

G James

Mosquitc News 27(4):453-457 RFF

Dec 1967 421 M65
Addes, Aquatic insects, Coleoptera, Forests,

Natural coutrol (insects), Fonds, Fredaceous insects.

14317-68
ARROVIRUS STUDIES IN FUSH RUSH FOREST, TRINIDAD, W. I.
SFPTEMREE 1955-EFCEMRER 1964. V. VIRUS ISOLATIONS.
A R Jonkers I Spence W G Downs I R G Aitkeu E S Tikasiugh
Amer J Trof Med Ryg 17 (2):276-284 REF
Mar 1566 448.8 AM326
Arboviruses, Arthropoda, Culicidae, Rodeuts,
Serological tests, Virology.

14318-68
ULV AERIAL INSECTICIDE APPLICATION FOR ADULT MOSQUITO
COMPROL IN KENTUCKY.
F W Knapp C R Gayle
Mosquito News 27(4):478-482 REF
Dec 1967 421 M65
Aerial spraying, Carbamates, Chemical control (insects),
Culicidae, Fenthion, Insecticides,
Isogropoxyphenyl methylcarbamate, o-, Malathion, Naled,
Organophosphorus compounds.

14319-68
EFFECTIVENESS OF SOME NEW INSECTICIDES ON VARIOUS TYPES OF SURFACES AND IN CLAY-LINED EXPERIMENTAL RUTS AGAINST ANORRELES QUARRIMACULATUS.
W Mathis H F Schoof Mosquito News 28 (1):16-20 REF Mar 1968 421 M55
Auopheles quadrimaculatus, Riological assay, Chemical control (insects), Dieldrin, Iusecticide resistaut insects, Insecticides, Surface chemistry.

14320-68
THE MUDMINNOW UMERA LIMI (KIRT.). A POSSIRLE MOSQUITO CCMTROL AGENT IN SEMI-PERMANENT PCOLS.
M G Haw
Mosquito News 28(1):120 REF
Mar 1968 421 MR5
Riological control (iusects), Culicidae, Fish.
The mudmiunow, Umbra limi, feeds on insects.

4321-6R
ULTRA-LOW VOLUME NONTHERMAL AEROSOLS OF MALATHION AND NALED
FOR ADULT MOSQUITO CONTROL.
G A Mount C S Lofgren N W Pierce C N Husmau
Mosgnito News 28 (1):99-103 REP
far 1968 421 M85
Aedes taeuiorhyuchus, Aerosols, Chemical coutrol (insects),
Malathion, Naled.
Abstract: A nonthermal generator (Curtis Model 55,000)
was modified to disperse ultra-low volume malathion aud
ualed. At all doses tested, particles of malathion having
mmd's of 6 to 10 microns were more effective thau particles
of 11 to 22 microus. ULV malathiou at least as effective
as high volume. ULV ualed was more effective than high
volume.

1432-68
NEW INSECTICIDES AS NONTRERMAL AEROSOLS FCR CONTROL OF ADULT MOSQUITOES.
G A Mount C S Lofgren
Mosquito News 27(4):470-473 REF
Dec 1967 421 M85
Aedes taeuiorhyuchus, Auopheles guadrimaculatus, Carbamates,
Chemical control (insects), Culex pipiens quiuguefasciatus,
Iusecticidal aerosols, Organophosphorus componuds.

14323-68
AERTAL FOGGING WITE RAY 39007 FOR TRE CONTROL OF ADULT AEDES SOLLICITANS (WALKER) AND AEDES TAENIORHYNCHUS (WIEDEMANN).
G A Mount C S Lofgren J Salmela Mosquito News 27(4):524-525 REF Dec 1967 421 M85
Aedes sollicitaus, Aedes taeniorhynchus, Aerial spraying, Chemical control (insects), Iusecticidal aerosols, Isopropoxypheuyl methylcarbamate, o-.

14324-68
LITERATURE RFFERENCES TO MOSQUITOES AND MOSQUITOE-ROFNE
DISEASES.
R Sollers-Riedel
Mosquito News 27(4):537-548 REF
Dec 1967 421 M85
Ribliography, Chemical control (iusects), Culicidae,
Insect taxouomy, Medical eutomology.

14325-68
ERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES.
H Sollers-Riedel
Mosquito News 28 (1):128-140 REF
Har 1968 421 H85
Bibliography, Riological control (insects),
Chemical coutrol (insects), Culicidae, Equipment,
Insect biology, Iusect ecology, Iusect genetics,
Iusect morphology, Iusect vectors, Medical entomology,
Toxicology.

1D 14326-68

14326-68

CCNTECL CE MOSQUITO ADULTS AND LABVAE WITH ULTHA-LOW VOLUME AFFILIA AFFILICATIONS OF FAYGON AND HAYGON-BAYTEX MIXTURE. AFFIRAL AFFICATIONS OF FAYGON AND BAYGON-FAYTFX MIXTURE.

I F Stevens F P Stroud
Mosquitc News 27(4):482-485 EFF
Dec 1967 421 M85
Acdes scllicitans, Aedes stimulans, Aerial spraying,
CatLamates, Chesical control (insects), Culex restuans,
Fenthior, Insecticides, Isoproprayhenyl methylcarbamate, o-,
Larvicides, Crgancibosphorus compounds.

14327-68

THE LARVICIDAL ACTIVITY OF SEVERAL LIQUID DETERGENTS AND CONTENNEY AMPCAIUE COMPODNES.
F T Taylor & F Schoof
Mosquitc News 27(4):486-487
Dec 1567 421 885 Aedas aegypti, Aedes triseriatus, Anopheles gnadrimaculatus, Chemical control (insects), Chlex pipiens guinguefasciatus, Letergents, Larvicides, Quaternary ammonium compounds.

14328-68

SIMULATED FIELD EVALUATION OF PROMISING INSECTICIDES FOR USE AGAINST AFEFS AFGYFTI. 5 T Taylor Hosquitc News 28(1):11-16 HFF Har 1968 421 885 Aedcs acgypti, Chemical control (insects), Insecticides, Larvicides. Abstract: Fleven compounds were evaluated under simulated tield conditions to determine their relative residual life as larvicides and adulticides against Ae. aegypti.

20 CROP PROTECTION

14329-68 ENTOMOLOGISTS EXCHANGE '59 HESEASCH HESULTS. Agr Chem 15(1):38-40 Jan 196D 381 AG8

Anthonomus grandis, Cochliomyia hominivoram, Conmaphes, DDT, Musca domestica, Ronnel, Texaphene.

APRIDS AND MILDEW. TWO ECONOMICALLY IMPOBTANT PESTS OF GRAIN IN SODTHERN SWEDEN 1967. (SW) K Andersson Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(1):2-8 1968 464.9 SW3V Aphididae, Fungns diseases (plants), Grain, Insect pests.

SOME NOTES ON THE STDDY OF BAHK EDNGI. J R R Garner Can J Rot 45 (4):540-541 Apr 1967 470 C16C Bark, Fnngi, Populus tremuloides.

Diseases

10332-68 CHANGE IN CHLOROPLAST PHOTEINS OF THE RICE PLANT INFECTED BY THE BLAST FUNGDS, PIRICULABLA ORYZAE. IN: MIROCRA,
C. J., AND DRITANI, I., ED. THE DYNAMIC BOLE OF MOLECULAR
CONSTITUDENTS IN FLANT-PARASITE INTERACTION. PROCEEDINGS,
COMPERENCE BELD MAY 15-21, 1966, GAMAGORI, JAPAN. SR611.C6. T Akazawa L Ramakrishnan

329-341 BEF AMERICAN PRYTOPATHOLOGICAL SOCIETY

Blast (rice), Fungns diseases (plants), Piricularia oryzae, Proteins, Rice.

AMERICAN PHYTOPATROLOGICAL SOCIETY. POTOMAC DIVISION. ANNOAL MEETING, 1967. BEFORT AND AESTRACTS. Phytopathology 57 (7):644-649 Jnl 1967 464-8 P56 Conferences, Plant diseases.

14334-68

INBERITANCE OF RESISTANCE TO VENTURIA INAEQUALIS IN CERTAIN CRAB APPLE CLONES. (ABSTRACT). H S Hagga D M Boone Phytopathology 57 (8):802 Aug 1967 464.8 P56 Crabapples, Crop varieties, Fungus diseases (plants), Plant disease resistance, Venturia inaegualis.

14335-68

PLANT VIBUS ANTIGEN: ANTIRODY REACTIONS IN DENSITY GRADIENT CENTRIPOGATION AND IN ELECTBON MICRCSCOPY. (ARSTRACT). CEMBRIPOGATION AND IN ELECTRON BICKCSCOPF. (ABSTRACT).

E R Ball M K Brakke
Phytopathology 57(8):802
Ang 1967 464.8 P56
Antibodies, Antigens, Centrifugation, Electron microscopy,
Plants, Virns diseases (plants).

LEAPHOPPER TRANSMISSION OF THE OAT BLUE DWARP VIRDS

EXTHACTED PROM OATS OR BARLEY. (ARSTRACT). E E Banttari Phytopathology 57(8):802 Aug 1967 464.8 P56 Blue dwarf (oats), Insect vectors, Macrosteles fascifrons, Oats, Plant disease transmission, Virus diseases (plants). 14337-68
THE RESFIBATION OF SCLEROTIA OF SCLEROTIUM ROLFSII.
M D Bard C I Fergus
Mycopatbol Mycol Appl 33(2):167-178 REF
13 Nov 1967 450 M994
Aging, Eydrogen-ion concentration, Plant respiration,
Sclerotium rolfsii, Temperature.

14338-66
NUCLEAR BEASSCCIATION IN PUCCINIA CCHONATA E. SP. AVENAE.
(AESTFACT).
P Bartos G Fleischrann G J Greer D J Samhroski
Phytograthology 57(8):803
Ang 1967 464.8 P56
Cell division, Cell nncleus, Crown rust (oats),
Fungus diseases (plants), Oats, Puccinia coronata avenae.

14339-66
CHARACTERISTICS OF THE CELLULASE SYSTEM FRODUCED BY SCIERCTION FOIESII. (ARSTRACT).

E Eateman Phytogathology 57(8):803
Ang 1567 464.6 F56
Beans, Cellnlase, Fungus diseases (plants), sclerctium rolfsii.

14340-68

BESFIFATORY RESPONSE OF RADISB VARIETIES RESISTANT AND SUSCEPTIBLE TO VASCULAR INFECTION BY EUSARIUM OXYSPORUM F. CONGLUTIAMS.

C H Beckman Ebytorathology 57(7):699-702 RFF Jul 1967 464.6 P56 Enngns diseases (plants), Fusarinm oxysporum, Plant disease resistance, Plant respiration, Radisbes, Vascular system (plants), Wilt (radisbes). Abstract

14341-66
PORMATION OF GOSSYFOL IN INFECTED OR CHEMICALLY IRRITATED
TISSUES OF GOSSYFIUM SPECIES.
A A Bell
Phytopathology 57(7):759-764 REF
Jnl 1967 464.8 F56
Antimetabolites, Chromatograpby, Cotton,
Fungus diseases (plants), Gossyfol, Flant disease resistance,
Flant extracts, Puccinia sorghi, Ebizofus stolonifer,
Urcmyces phasecli, Verticillium albo-atrum.
Abstract

14342-66
AN EXPOSURE CHARREFF FOR FORESTRY AIR POLLUTION STUDIES.
(ARESTRACT).
C B Berry
Fhytc;athclcgy 57(8):804
Ang 1967 464.6 F56
Air collution, Ecrest conservation, Greenhouses, Ozone,
Finus strclus.

14343-66
ACCUBULATION OF PHENCLS IN SCYFFAN AFTER INOCULATION WITH FUNGI NONFATBOGENIC TO SOYPEAN. (ARSTRACT).
W. I. Fiebn J. Rnc F. E. Williams
Fbytcpathclogy 57(8):804
Aug 1967 464.6 F56
Fungi, Helsinthosporium carbonum, Phenols, Soybeans.

14344-68
NUMERICAL ANALYSIS OF THE GENUS TRICRODORUS. (ABSTRACT).
G W Fird
Fbytcrathclcgy 57(8):804
Aug 1967 464.6 P56
Hatheratical analysis, Plant negatodes, Tricbodorus.

14346-66
THE RELATION OF GROWTH REGULATORS TO THE DEVELOPMENT OF SYMPTOMS AND THE EXPRESSION OF STEM RESISTANCE IN WRITE PINE INTECTED WITH BELISTED RUST.
B G ECYCT
45(4):501-513

Apr 1967
Benzimidazole, Elister rust (pinus), Gihherellic acid,
Indoleacetic acid, Plant disease resistance, Plant galls,
Plant regulators, Seedlings.
Abstract: The application of the growth regulators indoleacetic acid and gihberellic acid of stems of white pine
seedlings produced many symptoms characteristic of the disease caused hy blister rust fungus, thus snggesting their
possible involement in gall formation. When benzimidizole
compound was applied, a wound peridem was initiated in seedlings infected with hlister rust, but not in bealthy ones.

14347-68

THE STRUCTURE-ACTIVITY RELATIONSHIPS OF A NEW GROUP OF PYBIDINE ALKANE AND CARRINOL FUNGICIDES. (ARSTRACT). I F Brown J W Whaley H H Taylor E M Van Beyningen Pbytopatbology 57 (B):805-806
Aug 1967 464-8 P56
Carhinol, Erysipbe polygoni, Fungucides, Fungus diseases (plants), Grasses, Paraffins, Pyridine compounds.

14348-68
EFFECTS OF LIGHT ON SPORULATION OF CERCOSPORA BETICOLA.
L Calpouzos G F Stallknecht
Pbytopathology 57(7):679-681
Jul 1967 464.8 P56
Cercospora beticola, Light.
Abstract

14349-68
PHYTOTHORA LEAF FALL AND POD ROT OF HEVEA BRASILIENSIS IN THATLAND.

K R Cbee J M F Greenwood
Fao Plant Protect Full 16(1):1-5 MAP, REF
Feb 1968 421 P692
Pungus diseases (plants), Revea brasiliensis,
Pbytopbthora meadii, Phytopbthora palmivora.
Abstract: Leaf fall was observed throughout the rnbhergrowing areas of Tbailand, except in the soutbeast region.
Leaf fall and pod rot were most severe in the northeast
provinces, moderate in the southwest, and slight in the
west. Strains of the causal fungus fell into two groups.
Their identity has not been established, but most isolates
can probably be assigned to Phytophthorh meadii, and the
remainder, of much rarer occurrence, to P. palmivora.

14350-68
GRENHOUSE EVALUATION OF FUNGICIDES FOR CONTROL OF RICE BLAST DISEASE. (ARSTRACT).
B S Cbow
Pbytopatbology 57 (8):806
Aug 1967 464.B P56
Rlast (rice), Fungicides, Fungus diseases (plants),
Greenbonses, Piricularia oryzae, Rice.

14351-68
TRISTEZA STRAIN COMFARISONS IN FLORIDA. (ARSTRACT).
M Coben
Phytopathology 57 (8):807
Aug 1967 464.8 P56
Citrus, Grapefruit, Tristeza (citrus).

14352-68
OAK WILT INCIDENCE RELATED TO SITE PRODUCTIVITY IN HAMPSHIRE COUNTY, W. VA. (ABSTRACT).
W L Cones R P Trne
Pbytopatbology 57(8):807
Aug 1967 464.8 P56
Fungus diseases (plants), Quercus, Wilt (guercus).

THE FFFECT OF XANTBOMONAS VESICATORIA ON PERMEABILITY
IN RESISTANT AND SUSCEPTIBLE PEPPER LEAVES. (ARSTRACT).
A A Cook R E Stall
Phytopathology 57(8):807
Aug 1967 464.8 P56
Bacterial diseases (plants), Busb redpeppers (vegetable),
Plant disease resistance, Xantbomonas vesicatoria.

14354-68
OCCURRENCE OF RBIZOCTONIA SPP. IN SEEDS OF SHALL GRAINS AND OTHER PLANTS.
W F Crosier J J Natti D C Crosier
Pbytopathology 57(8):808
Aug 1967 464-8 P56
Field crops, Fungus diseases (plants), Grain,
Ornamental plants, Rbizoctonia, Seed treatment, Vegetables.

20 14355-68

14355-68

CDFFIRMENTATION IN CIKARYONS AND DIFLOIDS. (ABSTRACT).
P B Day
Fhytogathology 57(8):80B
Aug 1967 444.6 E56
Cell division, Corribus lagopus, Euzymes, Fungi, Mutation,
Farasitic flauts, flatt biochemistry, Ostilago maydis.

14356-66
ADDITIONAL FUNGI ASSOCIATED WITH AMERICAN BEECH IN NEW YORK.
B C De Groot
Mycopathol Mycol Appl 32(4):356-359
13 Sep 1967 45D M994
Pagus granditolia, Fungns diseases (plants).

14357-66

THE FFFECT OF VISITLE AND NEAR-VISITLE BADIATION ON THE SPECEDIATICA OF RELEGIATED VAGANS. (AESTRACT).

K I Deabl F S filictt
Phytogathology 57(8):BDB
Aug 1567 464.6 E56
Fuugus diseases (Flauts), Belmiuthosporium vagaus, Light, Foa pratensis, Ditraviolet rays.

14358-66
INCCEPORATION OF E3- AND C14-LABELED OBOTIC ACID INTO BEECHUCIFIC ACID OF ISCLATED FRAN RUST MYCELIUM. (ABSTBACT).
B M Dekhuijzen M Siugh B C Stafles
Phytogathclogy 57(8):808
Aug 1967 464.6 F56
Feaus, Carrou isotopes, Puugus diseases (plauts), Orotic acid,
Badioactive tracers, Bibouucleic acid, Bust (beaus), Tritium,
Uromyces fhascoli.

14359-66
SCHE ERCPEBTIES OF BYPEAR ISCLATED FROM BEAN LEAVES INFECTED WITH FEAN FUST FUNGDS.
B H Dekbuijzeu H Singh R C Stafles
Boyce Thompsou Inst Coutrib 23(11):367-372 REP
Jul 1967 451 F69
Beaus, Euugus diseases (plants), Bost (beaus),
Dromyces phasecli.

14360-66

DECLINE OF SEC CLOVER PLANTS INFECTED WITH BEC CLOVER VEIN MCSAIC VIRUS AND EDSABIUM SPECIES. (ABSTRACT).

S J Denis F S filliott
Phytogathology 57(8):808-809
Ang 1967 464.6 F56
Frugus diseases (plants), Fusarium, Bed clover,
Veiu mosaic (red clover), Virus diseases (plants).

14361-66
SUBTLE EFFECTS OF FEEEZING ON THE SENSITIVITY OF TOBACCO
MCSAIC VIEDS TO ALKALINE DEGEACATION. (AESTRACT).
P R Desjardius T C Dieuer
Phytogathology 57(8):809
Aug 1967 464.E F56
Alkalies, Freeziug, Bydrogeu-ion couceutratiou,
Bosaic (tctacco), Tobacco, Virus diseases (plants).

14362-66
EFFECT OF TEMPERATORS ON DEVELOPMENT OF LOCAL LESIONS ON TORACCO IEAVES INCODLATED WITH TORACCO STREAK VIBDS.
(AESTRACT).
S Diachou
Fhytogathology 57(6):809
Aug 1967 464.6 F56
Streak (totacco), Temperature, Tobacco,
Virus diseases (flaute).

14363-6E
TRE EFFECT OF INOCOLDE POTENTIAL OR THE RESPONSE OF BUSKRELCH VARIETIES TO FOSABIDH OXYSPORDH P. SP.
BELONIS. (AESTBACT).
L R Couglage
Fhytofathology 57(8):809
Aug 1967 464.8 F56
Fuugus diseases (Flauts), Pusarium oxysporum, Muskmelons, wilt (muskmelous).

14364-68

DORMANT SEASCH SDSCEFTIBILITY OF PEACH TO BACTEBIAL CANKER
NOT BELATED TO BOVERENT OF FSEUDOHONAS SYBINGAE.

(AESTEACT).

W H Dowler F D King
Ebytogathology 57(6):809-B10
Aug 1967 444.6 F56
Bacterial diseases (plants), Canker (peaches), Peaches,

Plant disease resistance, Pseudomonas syringae.

14365-68
RECOVERY OF EASTERN WHITE PINE FOLLCWING REDUCTION IN LEVELS OF AMERINA AIR FOLLUTION. (ARSTRACT).
D B Crummoud F A Wood
Phytopathology 57(8):810
Aug 1967 464.8 P56
Air pollution, Fiuns strobms.

19366-68
GERMINATION OF MICROSCLEROTIA OF VERTICILLIUM ALBO-ATRUM IN SOIL. (ABSTRACT).
D A Emmatty B J Greeu
Phytopathology 57(8):810-811
Aug 1967 464.8 P56
Fuugus diseases (plauts), Soil fungi, Spore germination, Verticillium albo-atrum.

14367-68
DREDCSPORE PEODUCTION OF FIVE RACES OF PUCCINIA BECONDITA
BOR. EX DESM. AS AFFECTED BY LIGHT AND TEMPERATURE.
Z Eval J L Petersou
Cau J Bot 45 (4):537-540
Apr 1967 470 C16C
Puugus diseases (plauts), Leaf rust (wheat), Light,
Pucciuia reccudita, Temperature, Wheat.

14368-68
BACTERIAL STIMULATION OF CHLAMIDOSPORE PRODUCTION IN FDSARIDE SOLANI F. SP. PHASEOLI. (ABSTRACT). F. J. Ford E E Trujille Phytopathology 57(8):811
Aug 1967 464-8 P56
Bacteria, Pungus diseases (plauts), Fusarium solani, Plaut physiology.

4369-68
STDDIES ON POTASSIUM NDTBITION OF PLANTS. II. SOME EFFECTS
OF PCTASSIUM DEFICIENCY ON TRE OBGANIC ACIDS OF LEAVES.
G G Freemau
J Sci Food Agr 18 (12):569-576 REP
Dec 1967 382 Sol2
Acids, Reets, Catbage, Leaves, Lettuce, Lolium multiflorum,
Plant untritional deficiencies, Potassium, Pctatoes.

14370-68
ETRANOL SDPPBESSES DPTAKE AND METABOLISM OF GLUCOSE BY ARRILLARIA MILLEA. (ABSTRACT).
M C Garraway
Phytopathology 57(8):812
Aug 1967 464.8 p56
Armillaria mellea, Ethyl alcohol, Fungus diseases (plauts),
Glucose, Metabolism.

14371-68
COMPOSITIONS AND METHODS FOR CONTROLLING FDNGI. PATENT 3,378,43B.
K Gatzi
DS Pateut Office Offic Gaz 849(3):782-783
16 Apr 1968 156.65 OFZ
Amiues, Chemical coutrol (plaut diseases), Fuugicides, Fateuts.

14372-68

EFFECTS OF DRYING ON TRE VIABILTY OF GERMINATED SPORES OF BOTRYTIS CINEBEA, CERCCSPOBA MDSAE, AND MONILINIA FBUCTICOLA.

B M Good P G M Zathureczky
Phytopathology 57 (7):719-722
Jul 1967 464.8 P56
Botrytis civerea, Cercospora musae, Culture media, Drying, Monilinia fructicola, Mortality, Spore germination.
Abstract

14373-68
BELATIONSHIP OF ROOT KNOT NEMATODES TO PATROGENIC VARIABILITY IN PUSABIUM OXYSPOBUM F. SP. LYCOPEBSICI. M J Goode J M McGuire Phytopathology 57(8):812
Aug 1967 464.8 P56
Puugus diseases (plauts), Pusarium oxysporum, Meloidogyue incognita, Plaut uematodes, Tomatoes.

4374-68
A POSSIBLE BIOCHEMICAL RASIS FOB THE BYPEBSENSITIVE REACTION INDUCED IN PLANTS BY PATROGENIC EACTERIA. (ABSTRACT).
B N Goodmau
Phytopathology 57(8):812-813
Aug 1967 464.8 P56

Bacterial diseases (plauts), Chemicals, Hypersensitivity, Necrosis, Flaut bicchemistry, Plauts, Tohacco. 14375-66 13/3-66
A QUANTITATIVE METROU FOR THE ISOIATION OF PYTHIUM SPECIFS FECH SCII USING SWEET COEN. (AMSTRACT). B W Goth J F Dervay F J Schick Fhytogathology 57(8):813
Aug 1967 464.6 F56
Fungus diseases (Flants). Plant quarantine. Pythium Fungus diseases (Flauts), Plaut guarautiue, Pythium, Boot rot (Leans), Scil fungi, Sweet ccru, Sweetcorn. A SERCLOGICAL COMPARISON OF BACES 1 AND 2 OF PSEUUOMONAS FHASFCIICCIA. (AESTRACT). Fhytogathclcgy 57(8):B13 Aug 1967 464.6 F56 Bacterial diseases (plauts), Escudomonas phascolicola, Serological tests. INTEACEILUIAE AND EXTRACELLUIAE ENZYMES FROM FHYTOPRTHORA INTERCELLULAR AND EXTRACELLULAR ENZYMES FROM FHYTOPRTHORACIDARCEL. (AESTRACT).

Reall G A Zeutmyer
Fhytopathclegy 57(8):813
Aug 1967 464.6 P56
Cells, Culture media, Euzymes, Fungus diseases (plauts),
Fhytophthcra ciuuamcmi. 1437R-68 BREAKCOWN OF PECTIN AT PH VAIDES ENCOUNTERED IN PUSABIUM SOLANI F. SF. CUCUBFITAE-INFECTED SQUASH HYPOCOTYLS. (ABSTFACT) . G Rancock Fhytogathclcgy 57(B):813 Aug 1967 464.6 P56 Pungus diseases ([lants), Fusarium solani, Hydrogen-icn concentration, Pectins, Squash. STUDIES OF A NEW DEFECTIVE STRAIN OF TOBACCO MOSAIC VIRUS. (AESTFACT) . V Rariharasutramaniau A Siegel Fhytogathclcgy 57 (B):814 Aug 1967 464.6 F56 Mosaic (tctacco), Tcbacco, Virus diseases (plants). SEEC EXUUATE IN BELATION TO TEMPERATURE AND PREEMERGENCE DAMFING-CFF. (AESTEACT). E S Eaymau
Fhytogathclcgy 57(6):814 Aug 1967 464.6 P56 Cotton, Damping-off (cotton), Exudates, Seed germination, Temperature. UOTHISTEOMA NEEULE ELIGHT OF PINES. 6. FIELD CONTROL WITH TIMED COFFEE SPEAYS. U Rocking Arusha Trop Pesticides Res Iust Misc Hep 572,11 P Jul 1966 423.92 G7922 Copper compounds, Fungus diseases (plauts), Needle tlight (ginus), Pinus radiata, Spraying, Tree diseases. PLANT DISEASE PITFALLS FOR EIGH YIFLDING WHEATS IN INDIA. C S Ecltcu Iudiau Fhytopathcl 20(3):183-188 Set 1567 464.8 IN2
Crop yields, leaf spct (wheat), Plant diseases,
Fowdery mildew (wheat), Boot rot (wheat), Stripe rust (grain), Wheat. 14383-68 INREBITANCE OF MATUEE FLANT BESISTANCE TO BUST IN CORN. (AESTEACT). A L Bcoker Fhytogathclcgy 57(8):815 Aug 1967 464.6 P56 Coru, Puugus diseases (plants), Plaut disease resistance, Flaut genetics, Bust (coru). EFFECT OF FTRANOL FIXATION ON POTATO VIRUS X PARTICLES. (ABSTEACT) . W J Ecoker

Fhytcrathclogy 57(8):815 Aug 1967 464.8 F56

Ethyl alcohol, Potatoes, Virus diseases (plants), Virus x (potatoes). EFFECT OF TOBACCO PTCR VIBUS ON PHOTOSYNTRESIS. (ARSTRACT). D L Boykius R E Harfton Phytopathology 57(8):815 Aug 1967 464.8 P56 Etch (tohacco), Photosyuthesis, Tohacco, Virus diseases (plauts). 14386-68
PLANT CELLULAB RESPONSES TO NEMATODE EXTRACTS. (ABSTRACT). R K Howell R S Hussey Phytopathology 57 (R):815 Aug 1967 464.8 P56 Animal extracts, Cells, Ditylenchus dipsaci, Peas, Plaut uematodes. TELIOSPORE POBMATICN BY PUCCINIA RECONUITA F. SP. TRITICI TELLOSPORE FOUNDATION BY PUCCINIA RECONO ON SEELLING WHEAT FLANTS. A O Jackson B C Young Phytopathology 57(7):793-794 Jul 1967 464.8 P56 Leaf rust (wheat), Puccinia recoudita. 14388-68 TRE SPECIES UBEDINALES ON BROMUS.
M J Kaufmann Mycopathol Mycol Appl 32(4):249-261 13 Sep 1967 450 M994 Bromus, Puugus diseases (plants), Puccinia, Rust (Bromus), Uredinales, Uredo, Uromyces. 14389-68 METHOU OF PROTECTING PLANTS WITH 2,1,3-BENZODITHIADIAZOLE COMPCUNDS: PAIRTH 3,382,146.

R Koopman A Temple
US Patent Office Offic Gaz 850(1):240-241
U7 Hay 1568 156.65 OF2 Benzodithiadiazoles, Fungicides, Pateuts. 14390-6R EFFECT OF CARBON SOURCES ON THE GROWTH OF PYTHIUM APRANIDERMATUM (EDSON) FITZ. M Kumar R K Grover Iudian Phytogathol 20(3):189-195 REF Sep 1967 464.8 IN2 Carhon compounds, Fungus diseases (plauts), Hydrogen-ion concentration, Plant physiology, Pythium aphanidermatum. 14391-68 BERAVIOR OF CHLAMYDOSPORES AND ENDOCONDIA OF THIELAVIOPSIS BASICOLA IN NONSTERILIZED SOIL. B G Liuderman T A Toussouu Phytopathology 57 (7):729-731 Jul 1967 464.8 P56 Culture media, Soil moisture, Spore germination, Thielaviopsis hasicola. Abstract INHIBITION OF PHENOL OXIUATION BY ERWINIA CAROTOVORA IN POTATO TUBER TISSUE AND ITS SIGNIFICANCE IN UISEASE BESISTANCE. L Lovrekovich R Lovrekovich M A Stahmaun Phytopathology 57 (7):737-742 Jul 1967 464.8 P56 Phenols, Plaut disease resistance, Potatoes.

Abstract 14393-68 THE CYTOLOGY OF INFECTION STRUCTURE DEVELOPMENT IN UREDIOSPORE GEEN TUBES OF UROMYCES PRASEOLI VAR. TYPICA (PEBS.) WINT.
B Maheshwari A C Hildebrandt P J Allen
Can J Bot 45(4):447-450 REP
Apr 1967 470 C16C Beaus, Feulgeu test, Fungus diseases (plauts), Plaut cytology, Spore germination, Oredinales, Oromyces phaseoli typica. THERMAL STABILITY OF STEM BUST RESISTANCE IN OAT SEEDLINGS. J W Martens F I R McKeuzie G J Green Can J Bot 45(4):451-458 REF Apr 1967 470 C16C

Pungus diseases (plants), Oats, Plant disease resistance,

20 14395-68

Flant genetics, Fuccinia graminis avenae, Stem rust (oats), Temperature.
Abstract: Six of the identified genes for stem rust resistance in oats are divided into 3 categories of thermal sensitivity: resistance confered by genes A and D is stable; that conferred by genes A and P 'breaks down' at intermediate temperatures; and that confered by genes B and F breaks down at relatively low temperatures.

14395-66

VARIABILITY AND TEE INHEBITANCE OF MODEROLOGICAL MUTANTS
IN FIRENCEPORA TERES.

W C MCDCnold
Phytopathology 57(7):747-755 REF
Jul 1967 464.6 F56
Flant morphology, Fyrencphora teres.
Abstract

1439(-EE
GFERTATION AND INFECTION OF CITBUS BY ASCOSPOHES OF
GUIGNABETA CITETCABEA IN HELATION TO CONTROL OF BLACK
SECT.
K C BCOTie
Ebytograthology 57(7):743-746
Jul 1967 464.E F5E
Elack spot (citrus), Chemical control (plant diseases),
Citrus, Guignardia citricarea, Spore germination.
Abstract

14397-EE
SURVIVAL AND SAPHOFHYTIC GECWITH OF VEHILLIUM DAHLIAE
IN UNCECFFFE SOIL.
J E Menzies G E Griebel
Phytogathology 57(7):703-709
Jnl 1967 464.E F56
Soil amendments, Soil moisture, Soil-borne plant diseases,
Verticilling dahliae.
Abstract

14398-EE
FACTOES APPECTING THE PHOTUCTION OF PECTINOLYTIC ENZYMES
BY GLOECSFCRION FSIGII, THE CAUSAL AGENT OF FHUIT HOT OF
GUAVA (ESIGIUM GUAJAUA I.).
S K Midha J S Chohan
Indian Ehytcpathol 20(3):215-219 REF
Sep 1567 444-E IN2
Culture media, Enzymes, Fungus diseases (plants),
Gloecsporing Fsidii, Guavas.

14399-6E
FUNGICIFAL ACTIVITY AND PHYTOTOXICITY OF CERTAIN MEBCURIALS
USEF TO CONTECT FUSABION BASAL ECT OF NARCISSUS BULBS.
VI Miller C J Gould
Phytograthology 57 (7):777-781 BFF
Jul 1567 464.E F56
Basal rot (narcissus), Chemical control (plant diseases),
Fungicides, Fnsarium, Mercury compounds.
Abstract

14400-68

EFFECT CF LEAF HUST CN YIELD OF SOME STEM HUST BESISTANT WHFATS CF FAHABASHTHA.

M L Mutkekar V F Fhide
Indian Fhytopathol 20 (3):206-210
Sep 1967 464.6 IN2
Crop losses, Crop varieties, Crop yields,
Fungus diseases (Flants), Irrigation, Leaf rust (wheat),
Flant disease resistance, Stem rnst (wheat), Sulfnr.

14401-68
PHOCESS FOR COMMEDILING FUNCI WITH ITHACONAMIC ESTEBS.
PATENT 3,375 .58.
B F Beightes
Us Fatent Cffice Offic Gaz 848(4):1034
26 Mar 1568 156.85 012
Chemical control (plant diseases), Esters, Pungicides, Methylene-succinamic acid, 2(or 3)-.

14402-68

EPFFCT CF LECOBTICATION AND EUNGICITE ON PERPOHMANCE OF
TARLE BEFT SEFD.

N B Feck E E Clark J J Natti
Agron J 59(1):78-80
Jan 1567 4 M-54F

Heets, Dimethylaminohenzenediazo sodinm snlfonate, p-,
Fungicides, Flant physiology, Seed germination,
Seed treatment, Thiram.

Abstract: Leccritication of table beet seedballs had no adverse effects on seed germination, seedling growth, and
performance of Arasan and Devon seed treatments. Under

dry soil condition Arasan and Deron delayed seedling emergence. Deron also reduced stands, Under moist soil conditions, Arasan and Deron produced significantly more seedlings. Variable soil moisture conditions contributed to significant interactions between planting dates and fungicide or seedball size in field tests.

14403-68

FFPECT OF INSECTICIDAL SPHAYS ON STUNT AND MOSAIC VIRUS DISEASES OF CORN IN SMALL FIFLD PLOTS IN MISSISSIPPI.

H N Pitre
J Econ Entonol 61(2):585-587 REP
Apr 1968 421 J822

Corn, Dalbulus maidis, Graminella nigrifrons, Insecticides, Mosaic (corn), Plant disease transmission, Spraying, Stunt (corn).

14404-68
IMPATIENS PARVIPLOBA CC.- A NATURAL BOST OF CABBAGE BLACK BINGSPOT AND CUCUMEER MOSAIC VIRUSES.
Z Polak
Biol Plant 9(5):354-359 REF
1967 450 B52
Black ring spot (cabbage), Cabbage, Cncumbers,
Impatiens parvitlora, Mosaic (cucumbers),
Virus diseases (plants), Weeds.

14405-68
THE MOSAIC DISEASE OF MULLEIN, VERBASCUM THAPSIFORME SCHEADEB, OCCUBING IN CZECHOSLOVAKIA.
Z POLAK S Nembaner
Hiol Plant 9(5):360-367 HEF
1967 450 H52
Mosaic (Verbascum), Plant disease transmission,
Verbascum thapsiforme, Virns diseases (plants).

14406-68

HEDDCED WINTER SURVIVAL AND YIELD CF CLOVER INFECTED WITH CLOVER YELLOW MOSAIC VIBUS.

M J Pratt
Can J Plant Sci 47(3):289-294
May 1967 450 C16
Clover, Crop yields, Virns diseases (plants),
Yellow mosaic (clover).
Abstract: Yield and stand was recorded of clover infected with CYMV. A pattern of deterioration was established.
The involement of fungal pathogens in further reducing the winter survival of CYMV-INFECTED clover is discussed.

14407-68
CONTROLLING FUNGI WITH 1,2-DICHLOROVINYL HYDBOXYETHYL
SULFIDE. PATENT 3,345,255.
G R Frice M B McClellan
US Patent Office Offic Gaz 843(1):255
03 oct 1967 156.65 OF2
Chemical control (plant diseases),
Dichlorovinyl bydroxyethyl sulfide, 1,2-, Fungicides, Patents.

14408-68
CHANGES IN PFACH THEFS (CV. BED HAVEN) ATTACKED BY
TAPHRINA DEFORMANS, WITH PARTICULAR BEFFRENCE TO NITROGEN
METABOLISM IN INFFCTED AND NON-INFECTED LEAVES.
V Raggi
Can J Bot 45(4):459-477 BEF
Apr 1967 470 C16C
Amino acids, Fungus diseases (plants), Glycolysis,
Leaf curl (peaches), Leaves, Nitrogen, Peaches,
Plant metabolism, Taphrina deformans.

14409-68
PHEDICTION OF PLANT DISEASE OCCUBBENCE; A PATHO-GEOGRAPHICAL APPROACH.
I Heichert J Palti
Mycopathol Mycol Appl 32(4):337-355, MAP, HEP
13 Sep 1967 450 M994
Hacterial diseases (plants), Pungus diseases (plants), Plant disease forecasting, Plant ecology, Plant geography, Plant guarantine.
Abstract: This approach may he useful as a basis for quarantine regulations. A further use of this approach is the establishment of seasonal thresholds for plant disease appearance, i.e. dates before which a disease will not occur in a given locality.

14410-6B
FUBTHER STUDIES ON MOSAIC DISPASE OF MAIZE (ZEA MAYS L.).

I Seth S P Haychandhnri
Hiol Plant 9 (5):372-376 BEF
1967 450 B52
Corn, Insect vectors, Hosaic (corn), Schizaphis graminnm,

Virus diseases (plants).
Abstract: On basis of similar properties, tolerance towards certain chemicals, host range, symptomatology, aphid vectors, and immunological tests, that maize mosaic virus and sugarcate mosaic virus are related viruses; both were tested ın gaiz€

FFICEFICLEGICAL STUDIES ON ANTHRACNESF OF DIOSCOBEA ALATA L. (FATALU)-YAM.

B U Singh h Frasad Indian Ehytopathol 20(3):226-236 REF Sep 1967 464.6 INZ Anthracnose (yams), Climate, Colletotrichum gloeosporioides,

Fungus diseases (plants), Temperature, Yams.

14412-68 THE SURVIVAL IN SCIL OF ITERSONILIA PASTINACAE CHANNON, THE CAUSE OF FARSHIE CANKER. F R Swith Australian J Fiol Sci 20(3):847-680 BEF Jun 1967 442.8 AU72 Canker (parsnips), Fungus diseases (plants), Iterschilia pastinacae, Mortality, Soil fungi.

PFLARGCAIUM VIRUSES: SYMPTOMS, CLAGNOSIS AND CONTROL. (SW) ₩ Sodergren Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(3-4):51-63 REF Felargonium, Flant disease control, Virus diseases (plants).

14414-68 WCOL TANNINS. ISOLATION AND SIGNIFICANCE IN BOST BFSISTANCE 10 VEBTICILLIUM WILT DISFASE. T C Scmers A F Barrison Australian J Biol Sci 20(2):475-479 BEF Apr 1567 442.6 AU72 Apriccts, Flackheart wilt (apricots), Phenols, Flant disease resistance, Tannins, Verticillium albo-atrum, Wood.

14415-68
ATTACK CF CNICNS BY FRYTOFRIBCEA FORRI. (CU) G M Tichelaar Van E A Kesteren Neth J Flant Fathol 43(3):103-104 1967 464.8 144 Fungus diseases (plants), Leaf spct (onions), Onions, Fhytophthera perri. First record on onions.

A SFRIAL CILUTION END-POINT METHOD FOR ESTIMATING DISEASE FOTENTIALS OF CITEUS PHYTOFETHORAS IN SOIL. Phytograthclcgy 50(10):717-723 RIBL. 723-724, TABS. Uct 1960 464.6 P56 Citrus, Fungus diseases (plants), Phytophthora, Soil fungi, Soil-borne plant diseases.

INFIDENCE CE SOMF NUCLEIC ACID FETABOLISM INHIBITORS ON TRE SYNTEFSIS CF ALKALINE PROTEASE AND ALPHA-AMYLASE IN ASFFEGIIIUS OFYZAE. H Urbanek & Maciejewska-Potarczyk T Kowalczyk Acta Bicrotiol Felen 16(3):237-242 REF 1967 448.3 ACE2 Amylase, alpha-, Antimetabolites, Aspergillus oryzae, Nucleic acids, Frcteinases. Abstract 14418-68

CCCUFENCE CE A MCSAIC DISFASE CN BRINJAL. G S Verma E Lal Indian Fhytogathol 2U(3):243-247 Sep 1567 4E4.E IN2 Eggflant, Insect vectors, Mcsaic (eggplant), Myzus persicae, Plant disease trarsmission, Sap, Virus diseases (plants).

14419-68 FNDCGENCUS RESPIRATION OF WRFAT STFM RUST UREDOSPORES. FROGERICUS RESPIRATION OF WHEAT SITE HUST ONE FG Williams F J Allen Fhytogathclogy 57(7):656-661 RFF Jul 1567 464.2 F56 Fungus diseases (plants), Flant respiration, Puccinia graminis, Stem rust (wheat). Abstract

14420-68 ULTRASTRUCTURAL STUDIES ON THE HOST-PARASITE RELATIONS OF PLASMODICPROFA ERASSICAE.
P H Williams Y E Yukawa
Phytopathology 57 (7):682-687 REF
Jul 1967 464.E P56
Brassica, Catbage, Clubroot (crnciferae), Electron microscopy,
Plasmodiophora brassicae, Ultrastructure. Abstract 14421-68

ELECTRON MICROSCOPY OF DOUBLE-STRANDEU RNA INCUCEU BY TURNIF YELLOW MOSAIC VIBUS ANU TOBACCO MOSAIC VIBUS. D R Wolstenholme L E Bockstahler Z Vererbungslehre 100(4):349-357 REF 1967 442.8 Z34 442.8 Cabbage, Electron microscopy, Mosaic (tobacco), Ribonucleic acid, Tobacco, Virus diseases (plants), Yellow mosaic (cabbage). Abstract

14422-68 STUDY OF PARASITIC FUNGI OF SOUTHEAST ASIA. VII. FOURTH NOTE ON SOME CERCOSPORA AND STENELLA FROM SINGAPORE (MALAYSIA). (FR) J M Yen Rev Mycol 32(3):177-210 Nov 1967 450 AN74 Cercospora, Pungus diseases (plants), Stenella.

SIGNIFICANCE OF SEEULING RUST RESISTANCE OF SAPPLOWER AND ITS RELATIONSHIP TO FOLIAGE RUST RESISTANCE. DE Zimmer A L Urie Phytopathology 57(7):772-776 REP Jul 1967 464.8 P56 Crop varieties, Fungus diseases (plants), Leaves, Plant disease resistance, Fuccinia carthami, Rust (safflower), Seedlings. Abstract

Arthropods

14424-68 THE SADDLE GALL MIUGE (HAPLODIPLOSIS EQUESTRIS) IN 1967. (SW K Andersson Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(1):8-12 Chemical control (insects), Diazinon, Grain,
Raplodiplosis equestris, Insect traps,
Insecticide application.
Trapping determines proper timing of insecticide applica-

NOTE ON DAMAGE TO GRASSES IN THE PEACE RIVER BEGION BY THE SPITTLEBUG, PHILARONIA BILINEATA SAY, (CERCOPIDAE: HEMIPTERA).
D A Arnott I Bergis Entowol Soc Brit Columbia Proc 64:8-9 01 Aug 1967 420 877 Grasses, Philaronia bilineata. Abstract

14426-6B THE PROTECTION OF PLANT COLLECTIONS FROM PESTS. 3. (RUS) \forall G Ber Rot Zhur (moscow) 52(2):240-248 REF Feb 1967 451 R923 Herbariums, Insect pests, Plant pest control.

A NOTEWORTHY ATTACK BY PHYLLOBIUS VIRIDICOLLIS IN CLOVER FIFLD. (SW) A Borg Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6)85-86 1967 464.9 SW3V Clover, Phyllobius viridicollis.

RIRLIGGRAPRY

20 14426-68

14428-EE
WEEVILS (SITCHA SEECIES) ON CULTIVATED LEGUMES. (SW)
A ECCT
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):76-79
1967 464.9 Sh3V
Legnmes, Flant pests, Sitona.

4429-66
THE FFLATIVE FFFICIFICY OF AFRIAL AFFLICATION OF DLTRA-LOWVCIDRE AND EMULSIFIABLE CONCENTRATE FORMULATIONS OF
INSECTICITIES.
J R Errazzel W W Watson J S Bursh M H Adair
J Econ Entoucl 61(2):408-415 EEF
Apr 1566 421 JE22
Aerial spraying, Emnisions, Formulations,
Insecticide application, Ditra low volume applications.
Abstract

4430-EE
PERSISTENCE OF HELICTHIS NDCLEAR-POLYREDROSIS VIRDS ON
COTT() FCIIAGE.
R E Hollock
J Invertebrate Fatbol 9(3):434-436
Sep 1967 421 J826
Piological assay, Cotton, Heliothis virescens, Heliothis zea,
Insect diseases, Folyhedroses, Sprface-active agents.

14431-66

BEADVERIA FASSIANA INFECTING ADULT CLOVER ROOT CDRCDLIOS IN MISSCOBI.

W R Crow E Futtler D B Daugherty
J Econ Enterol 61(2):576-577

Apr 1966 421 J822
Beauweria bassiana, Insect diseases, Sitona hispidula.

14432-EE
EDETEER CCPPEENT ON F32 LARELING BATERIAL IN THE RODY OF
APHES FARAL SCCF. AND ITS LARVAE (HOMOPTERA,
AFHITIPAE). (CE)
T Canged
Z Angev Zool 54(3):433-434
1967 445.E 236
Aphis fahae, Larvae, Fhosphorus isotopes, Radioactive tracers.

LCE-VCLDBF AFFLICATION OF MALATHION BY RELICCITED FOR CONTECLIING LABGE (ASEEFABEE.

B F Lenten S Induck
J Econ Enterol 61(2):582-583

Apr 1566 421 J822

Aerial spraying, Agathis pomila, Chemical control (insects), Celec

4434-66
bolfs on a spruce eark weevil, fissodes alascensis
BCFKIBS (CCLECFTFFA: CDRCDLIONIDAE), IN BRITISR
COLDMRIA.
D E Doidge
Entomci Scc Rrit Colombia Proc 64:63-66, MAP
01 Ang 1967 420 E77
Eorest insects, Insect biology, Picea, Pissodes alascensis.

14435-66
GENEFAL INSECT ACTIVITY ON FISE IN BARCE.
R DCTWARD
Agr Chem 15(5):66, 109-110
Bay 1560 361 AG8
Anthonouns grandis, Aphididae.

14436-66
EDRCFFAB CCRB RCREG SURVEY FINDS CODM'S GENERALLY LOWER.
K Ectward
Agr Chew 15(2):71
Feb 1960 381 AG8
Anthonouns grandis, Murgantia, Cstrinia,
Population statistics, Schizaphis.

19437-66
CCNE INSECTS OF GEAND FIR, AFIES GRANDIS (DOUGLAS)
LINDLEY, IN PERTISH COLDMETA.
A F Redlin
Entowel Scc Brit Colombia Proc 64:40-44
O1 Ang 1967 420 E77
Abies grandis, Cecidomyiidae, Chaicidae, Cones,
Earomyia abietum, Forest insects, Gali-making insects,
Legidoptera.

14438-68
GARDEN PESTS AND DISEASES; A GUIDE 10 RECOGNITION AND CONTROL. SE603.5.14.
A G L Bellyer
96 P. LONDON, COLLINGRIDGE
1966
Disease control, Funigants, Fungicides, Gardens, Randbooks, Insect pests, Insecticides, Pest control, Plant protection, Vegetables.

14439-68
TOXICITY OF SOME INSECTICIDES 10 LARVAE OF CODLING MOTH AFTER THEY ENTER APPLES.
W S Rough
J Econ Entomol 55(3):378-381
Jnn 1962 421 J822
Apples, Carpocapsa pomonelia, Insecticides, Larvae, Toxicity.

14440-68
THE ABMY CDTWORM AS A FEST OF MDSTARD.
I A Jacobson
J Econ Entowol 55(3):408-409
Jun 1962 421 J822
Chorizagrotis anxiliaris, Insect controi, Enstard.

14441-6E
TRE CONTROL OF PRIT FLY, OSCINELLA PRIT (L.), IN SWEET CORN (ZEA MAYS) RY THIBET (O,O-DIETRYL S-ETRYLTHIOMETHYL PROSPHORODITHIOATE).
W F Jepson P Mathias
Rull Entomol Res 51(3):427-433
NOV 1960 421 B87
COIN, Oscinella frit, Phorate.

OCCURRENCE OF BREVIPALPDS MITES, LEFROSIS, AND PALSE LEFROSIS ON CITRUS IN FLORIDA. L C Roorr H & Deemark R C Rurnett Fla Entomol 51(1):11-17, MAP Mar 1968 420 P662 Rrevipalpns, Citrus, Leprosis (citrus), Mites, Plant diseases.

14443-68
SOIL AND STAND CONDITIONS RELATED TO SOUTRERN PINE REFEILE ACTIVITY IN BARDIN CCUNTY, TEXAS.
P L Lorio
J Econ Entobol 61(2):565-566

Apr 1968 421 J822 Dendroctonns frontalis, Drainage, Eorest insects, Pinns, Soils.

19444-68
AN INSECTICIDAL APPLICATION FOR INTEGRATED CONTROL OF THE RECHS PLANTROPPER IN FACDY RICE.
B J BacQuilian
J Econ Entomol 61(2):568-569
Apr 1968 421 J822
Eorumlations, Integrated control (insects), Mecarbam, Nilaparvata lugens, Rice.

14445-68
LARORATORY TESTS OF ULTRA-LOW-VOLUME AND CONVENTIONAL LOW-VOLDED SPRAYS FOR CONTROLLING TRE ROLLWORM AND TRE TORACCO BUDWORM.

S J Nemec P L Adkisson R W Dorongh
J Econ Entomol 61(1):209-213 BEP
Eeb 1968 421 J822

gen 1968 421 J822 Chemical control (insects), Heliothis virescens, Reliothis zea, Low volume application, Spraying, Oltra low volume application. Abstract

A HITE AS A PEST OF YOUNG PLDM TREES. (SW)
K Olsson
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(3-4):40-45
1967 464.9 SW3V
Aculns fockeni, Mites, Plant pests, Plans.

14497-68
A SMALL SCALE PIELD TRIAL ATTEMPTING TO CONTROL RED SPIDER MITES ON GRODNDRDTS WITR ARABITE AND METASYSTOY AT ARDSHA IN THE DRY SEASON.
B H Parish B E A Matern
Arusha Trop Pesticides Res Inst Misc Rep 487,5 P
Dec 1964 423.92 G7922
Acaricides, Arabite, Insect control, Methyl demeton, Peannts, Tetranychus telarius.

19448-68
CCCUBENCE OF ERACCN GELECHIAF ASHMEAD AS A PARASITE OF PCTATC TURER HOTE, GNCHIRCSCHEMA OPERCUELLA (ZELLEH) IN THE FIFID IN PISCE STATE AND ASSAM AND ITS OTHER HOSTS EECCHEFE IN INDIA.

V F Hao K Famachandran Nair
Commenwealth Inst Picl Contr Tech Bull 9:73-75
Oct 1967 4/3.92 C7331
Bracon gelechiae, Gnorimoschema operchella, Bost specificity, Ichreumennidae, Insect Fests, Parasitic insects, Potatoes.

1449-68
CCMTHCL CF THE AFFIT AMCPHOFOPHCHA AGATHONICA IN
BASIFIEBS ADESERS SICCK.
G A Schaefers
J Ecor Intcol 61(2):384-387
Arr 1968 421 J822
Amphorophora agathonica, Chemical control (insects),
Fruit Indisertes, Insecticides, Basplerries.
Abstract

14450-68

SCHE CONTECT EXPERIMENT IN THE LABORATORY OF THE RAPE REETLE (MELIGETRES AFMEUS E.) AND THE CARRACT SEIDPOD WERVIL (CEUTCHERYNCEDS ASSIBILIS. PAYK.). (SW)

K Scherraa

Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31 (5-6):70-74
1967 464.9 \$K3V
Callage, Ceutorbyrchne assimilie, Chemical control (insects),
Beligettes aeneus, Bare.

4451-68

EFFECT OF HOST PLANT ODOUB ON THE HEFAVIODE OF THE ADULT CAFFAGE ECCT FLY, FHIOISCHIA FEASSICAE.

E M M Trayrier
Entercl Exp Aprl 10 (3):321-328
1967 421 FR695

Cahhage, Carrots, Food plants, Eylemya brassicae,
Insect behavior, Lettuce, Entabagas, Smell.
German summary
Abstract

14452-EE
TEMEFRATURE, FLANT-GHOWTH STAGE, AND INSECT-POPULATION
FFFFCTS ON SERVITING SURVIVAL OF HESISTANT AND SDSCEPTIBLE
ALFAIFA INFESTED WITH POTATO LEAFHOFPERS.
J A Webster F L Scrensen H H Painter
J Econ Entowol 61(1):142-145 HFF
Feb 1566 421 J822
Alfalfa, Empoasca fabae, Insect populations,
Plant Fest resistance, Seedlings, Statistical analysis,
Temperature.
Abstract

COTTON-INSICT CONIBOL WITH LCW-VOLUME CONCENTRATES OF MALA-HICK AFFILED FY AIRCRAFT. G P Wene I W Sheets J Econ Entewol 58(6):1170-1171 Dec 1565 421 J822 Aircraft disinfestation, Cotton, Insect control, Malathion.

10454-68
THE MARSH CRANF FLY, TIPDLA FALUDOSA MG., A NEW PEST IN HEITISH CCLUMFIA (FLPTEHA: TIFULIDAE).
A 1 S Wilkinsct E B BacCarthy
Entomcl Scc Erit Columbia Proc 64:29-34 HEF
01 Ang 1967 420 E77
Insect tiology, Insect pests, Lawns,
Natural control (insects), Farasitic insects, Pastures,
Siphora geniculata, Tipula paludosa.
Abstract

Nematodes

14455-66
CRANGES ASSOCIATED WITE PAHASITISM IN NEMATODES. II.
BISTOCHEBICAL AND ELGEOSPECIBOPHOTOMETRIC ANALYSES OF PHE-PAHASITIC AND FABASITIC LARVAE OF MELOIDOGYNE JAVANICA.
A F Bird W Sanrer
J Farasitol 53(6):1262-1269 BEF
Dec 1967 446.6 J824 Histochemistry, Larvae, Meloidogyne javanica, Nematodes, Parasitism, Spectrophotometry.
Abstract: The esophageal regions of second-stage larvae of M. javanica were examined with UV microspectrograph.
Histochemical tests of both these types of larvae snpported the results with microspectrograph and showed the content of dncts of suhventral esophageal glands change their chemical composition in 2 to 3 days of entering the host plant and hecome strongly periodic acid-Schiff positive.

14456-68
ALLYL DIALKYITHICLCARBAHATE NEMATOCIDES. PATENT 3,382,144.
M W Harman J J DiAmico
US Patent Office Offic Gaz 850(1):240
07 Hay 1968 156.65 OF2
Carhamates, Nematocides, Patents, Thiolcarbamates.

14457-68
ACETYLCHOLINESTEBASE AND HDTYBYLCHOLINESTEBASE IN THE LIVEH FLUKE (FASCIOLA HEFATICA).
S Krvavica A Lui S Becejac
Exp Parasitol 21(2):240 -248 REF
Oct 1967 436.H EXT
Acetylcholinesterases, Cattle, Cholinesterases,
Fasciola hepatica, Histochemistry.
Abstract: A large gnantity of acetylcholinesterases was found in the muscles of the pharynx, the cirros, the cerehral ganglion, and nerves of the liver fluke. In both the sporocyst and the redia the acetylcholinesterase is located in the anterior rart of the hody; in the cercaria, however, acetylcholinesterase is present not only in the region of the c. ganglion but in the nerves and tail.

14458-68
WHAT CAN BE DEDDCED FROM THE POTATO CYST NEMATODE ANALYSIS ACCORDING TO THE CYST PIGDBE?. (SW)
G Videgard
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):29-31
1967 464.9 SW3V
Reterodera rostochiensis, Plant nematodes, Potatoes.

14459-6H
ATTACK HY THE POTATO CYST NEMATODE DOES NOT ALWAYS SHOW AHOVE THE GROUND. (SK)
G Videgard
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):21-22
1967 464.9 SW3V
Reterodera rostochiensis, Plant nematodes, Potatoes.

14460-68
THE OAT CYST NEBATODE ATTACKS ALL SPHING GRAIN. (SW)
G Videgard
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):88-90
1967 464.9 SW3V
Grain. Reterodera schachtii, Oats.

14461-68
HOOT-LESION NEMATODES ASSOCIATED WITH PORAGE LEGUMES IN THE MARITIME PROVINCES.
C B Willis L S Thompson
Can Plant Dis Snrv 47 (3):87-88
Sep 1967 464.9 C16S
Alfalfa, Birdsfoot trefoil, Clover, Forage plants, Legumes, Plant nematodes, Pratylenchns.
Abstract: Pratylenchns more numerons from red clover roots than from alfalfa, and were extracted from 46 of 70 root samples.

Weeds

14462-68
RECORD AIE APPLICATION OF HEBHICIDE FORECAST FOR COTTON.
ADDODYMODS
Aerial Appl 6(2):12
Feb 1968 333.8 AE8
Aerial weed control, Aircraft, Chemical control (weeds),
Cotton, Herricides.

RIRLIGGRAPRY

2D 14463-68

14463-EE
BERFICITAL COMPOSITIONS AND PROCESSES OF CONTROLLING
UNDESTRABLE PLANT SPECIES IN THE PRESENCE OF CROPS
IHEBERITE. FATENT 3,351,45R.
D. D. Ecodarenko
US Patent Office Offic Gaz 844(1):250
07 Nov 1907 156.65 CF2
Chemical control (weeds), Crops, Herbicides, Fatents, Weed control

14484-68
DETCTIPICATION OF SCHE REREFICITES RY STREETOMYCES.
B C Pennds A F Celer
Weeds 15(3):245-252, 9 REES.
Jul 1565 75.E W41
(trichlerophenoxy, 2,4,5-) propionic acid, 2-,
Chlorc-N,N-diallylacetamide, 2-, CIPC, Dalapon,
Dichlorephenol, 2,4-, Dichleropropionic acid, 2,2-, Penac,
Iscrrepyl N-(3-chlorophenyl) carbamate,
Streptomyces viridechromogenes, T, 2,4,5-,
Trichlorophenoxyacetic acid, 2,4,5-,
Trichlerophenylacetic acid, 2,3,6-,
2-(2,4,5-trichlorophenoxy) propionic acid, 2,4-D.

14465-68
THE FIGHT AGAINST WEEDS.
Compbell
Agr Chem 22(9):49-50
Sep 1967 381 AG8
weed control, Weeds.

14466-66
METHOD OF DESTROYING A WEED. PATENT 3,352,663.
B F Erend E Arndt R Rusch
US Patent Office Offic Gaz 844(2):617
14 Nov 1967 156.65 0E2
Chemical control (weeds), Purans, Rerbicides, Patents, Weed control.

14467-6E
FRCCESS FCB KILLING GROWING PLANTS. PATENT 3,348,939.
E W Gier
US Patent Office Offic Gaz 843(4):1427
24 Cct 1567 156.25 OF2
Acetylenic carbonates, Chemical control (weeds), Rerbicides,

DIAINYL AND DIFHENYL ESTERS OF ARYLOXYACETYL-FHOSPRONIC ACID AS BEBBICIDES. FATENT 3,382,06D.

UN Gier
US Patent Office Offic Gaz 850(1):224

Of May 1988 156.65 OF2

Aryloxacetyl-phosphonic acid compounds, Herbicides, Patents.

14469-6E
REFEICLTAL COMECSITION AND METROD EMPLOYING SDESTITUTED
RENZIHITAZCLES. FATENT 3,325,271.
R Goldsmith E F Crawford
US Patent Office Offic Gaz 839(2):675
13 Jun 1567 156.65 OF2
EEDzimidazcles, Rerbicides, Patents, Sodinm borate,
Weed control.

14470-68
HOLES OF ACTION OF 3-AMINO-1,2,4-TRIAZOLE: CDRRENT STATDS.
IN: ISCTCEES IN WHEE RESEARCE; FROCEEDINGS OF A SYMPOSIUM,
VIENNA, 25-29 CCICEEE 1965 S585.S9.
J L Rilton
71-R3 REFF INTERNATIONAL ATCHIC ENERGY AGENCY
1966
Amitrole, Rerbicides, Plant growth inhibitors.
Abstract

14471-68
FROCESS OF KILLING WEEDS EMFLOYING ACYLATED DREADERIVATIVES. FATENT 3,342,566.
Jieburean Froignant
US Patent Office Offic Gaz 842(3):1048
19 Sep 1967 156.65 OF2
Acylated nrea comprounds, Chemical control (weeds), Herbicides, Fatents, Weed control.

14472-68

#BEBLICIAL METHODS AND COMPOSITIONS COMPRISING 2-AMINO AND LOWER ALKANCAPIDC-5-HALCTHIAZOLES. PATENT 3,374,D82.

A J L∈win

US Patent Office Offic Gaz 848(3):750
19 #ar 156€ 156.65 CF2

Alkancawido-5-balothiazoles, Awino-5-balothiazoles, 2-,

Chemical control (weeds), Chloro-2-thiazoly1) propionamide, N-(5-, Herbicides, Fatents.

METHED FOR PEEVENTING FLANT GROWTH. PATENT 3,34D,043.
J F Clin
US Patent Office Offic Gaz 842(1):268
05 Sep 1967 156.65 0F2
Chemical control (weeds), Haloacetabilide, alpha, Herbicides, Patents.

14474-68
PHYPOTOXIC COMPOSITIONS AND METHOD OF USE. PATENT 3,325,270.
J F clin
US Patent Office Offic Gaz 839(2):675
13 Jun 1967 156.65 OF2
Raloacetamides, alpha-, Herbicides, Patents, Weed control.

14475-68
A SURVEY OF WEED LEAF SIGNATA AND IRICHOMES.
D J Ormrod A J Renney
Can J Plant Sci 48 (2):197-209 REF
Mar 1968 450 C16
Leaves, Spraying, Stomata, Reeds.
Abstract: A series of drawings was made depicting the different stomatal characteristics and types of trichomes.
It was estimated Icaves of nine species had enough pubesence to influence retention or penetration of sprays. 35 species were examined. Implications for berbicidal control discussed.

14477-68
COMPETITION IN EXPERIMENTAL POPULATIONS OF WEEDS WITH EMERASIS ON THE REGULATION OF POPULATION SIZE.
I G Palmblad
Ecology 49 (1):26-34 REF WINTER
1968 410 EC7
Competition, Plant ecology, Seed germination, Weeds.
Abstract: Species were subjected to conditions of intraspecific competition involving variable regimes of: (1)seed sowing density, (2) soil surface, (3) fertilizer, (4) moistnre, etc. The population of some species may be further regulated by: (1)self-controlled germination, (2) mortality, (3) individual plasticity.

14479-68
METHOD OF CONTROLLING THE GROWTH OF UNDESIRABLE PLANTS. PATENT 3,342,583.
E A Regel
US Patent Office Offic Gaz 842(3):1047
19 Sep 1967 156.65 OF2
Chemical control (weeds), Rerbicides, Patents, Phosphine snlfides.

14480-68
ABTROD FOR TRE CONTROL OF WEEDS. PATENT 3,333,944.
A A Levin S R Richter
US Patent Office Offic Gaz 841(1):222
O1 Ang 1967 156.65 0F2
Chemical control (weeds), Rerbicides, Patents,
Thiobenzoic acids, Weed control.

14481-68
CHENICAL WEED CONIROL RANDROOK. SR951.R56.
B F Roche
170 P.
1967
Chemical control (weeds), Handbooks, Herbicides, Weed control.

14462-66
POST-EMERGENCE HEBFICIDAL MIXTURE AND METROD OF USE.
FATENT 5,340,042.
H Schwartz J F Skartason
US Patent Office Offic Gaz 842(1):268
US Ser 1967 156.65 0F2
Aromatic bydrocartons, Henzanilide, Chemical control (weeds), Herricides, Cxygenated organic solvent, Patents, Synergists.
14483-66
BERFICULAL PHENYLIFFAS. PATENT 3,326.663.

HEHETCITAL FHENYLLBEAS. PATENT 3,326,663.
5 H SCLOWAY K D ZWADLED
US PAtent Office Offic Gaz 839(3):1092
20 Jun 1967 156.65 CF2
Chemical control (weeds), Herbicides, Patents, Fhenylureas.
4464-66
HEREICITAL MIXTURE AND METHOD. FATENT 3,333,948.
T Takematsh 8 Kado

1 lakematem & Made
US Patent Office Offic Gaz 841(1):223
01 Aug 1967 156.65 0E2
Chemical control (weeds), Cyclobexenyl) cyclobexanone, 2-(1-, Uichlererreficnamilide, 3,4-, Herbicides, Fatents, Festicide mixtures.

14465-66

METHOR OF CONTROLLING UNDESTRABLE PLANT GROWTH.
FATENT 5,360,356.

J.F. Vartiak
US. Patent Office Offic Gaz 845(4):1457
26. Dec. 1967 156.65 OF2
Chemical control (weeds), Berbicides, Patents, Polymers,
Spraying, Keed control.

4466-66

FENZENE BEYACELCHIDE AS A FREEMERGENCE HEREICIDE.
FATENT 3,356,486.
E L Walscrth
US Patent Office Offic Gaz 845(1):248
05 Lec 1967 156.65 CE2
Benzene hexachloride, Benzene hexachloride, delta-,
Berlicides, Lindare, Fatents, Freemergence, Weed control.

14467-66
METRIC FOR FREVENTING PLANT CHOKTE WITH ORGANITH HORATES. FATENT 5,361,554.
G Keissenberger
US Patent Office Offic Gaz 846(1):218
02 Jan 1968 156.65 0F2
Chemical control (weeds), Herbicides, Organotin borates, Fatents.

14488-66

HETRIC OF COMENTING THE GROWTH OF UNDESIDED FLANTS.
FATENT 3,374,084.
J Wijta

US Patent Office Offic Gaz 848(3):751
19 Mar 1966 156.65 CF2
Chemical control (weeds), Herbicides,
Bydroxymethyl-2,6-dichlorothiotenzamide, N-,
Hethyl-2,6-dichlorothiotenzamide compounds, Patents,
Fropoxymethyl-2,6-dicblorothiotenzamide, N-n-.

Other Pests

14469-66
GASTHCPCCICIUALLY EFFECTIVE SUBSTITUTED 5-HALC-3-PHENYL-SALICYLANILIDES. FATENT 3,382,145.
J F Chnff J D Farly
US Patent Office Offic Gaz 850(1):240
07 May 1966 156.65 OF2
Molluscacides, Fatents, Phenylsalicylanilides, 3-.

14490-68
THE CCHECN SLUG, A FLANT PROTECTION PROBLEM ON HARD SOILS.

(SW I Nilsson Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):67-70 1967 464.9 513V Eield crofs, Flant fest control, Slngs.

14491-68
MYXOMAYOSIS: THE PEEPABATION OF MYXOMA VIRUS POR INCOLATION VIA THE EYE.
W R Sobey U Conolly K M Adams
Australian J Sci 30(6):233-234
Dec 1967 475 AU72
Inoculum, Myxomatosis, Rabbits, Rodent control.

30 14492-€8

30 LIVESTOCK PROTECTION

Diseases

14492-6E
ANTITEYECTORIC FACTOR CONTENT OF VARIOUS ROUGHAGES AND COWPECES BASEL ON BEFFFSSION OF INDUCED LIVER MALIC ENZYME IN THYECTORIC RATS.

S Addanki J W Ribts B R Conrad J Nutr 54(2): 126-126 EFF Feb 1566 365.6 JB2
Aniral nutrition, Cattle, Enzymes, Peces, Liver, Halate debydrogenase, Rats, Roughage, Thyroxine.
Abstract

14493-68
THE ICUINE CONTENT OF BULK BEBU MILK IN SUMMER IN RELATION TO ESTIPATED DIFFARY IOUTHE INTAKE OF COMS.
G Alderman M & Stranks
J Sci Food Agr 18(4):151-153 REF
Apr 1967 382 5012
Cattle, Diet, Iodine, Milk.
Where bulk milk icdine coutent is less than 25 micrograms
Fer litre, iodine requirements for dairy herds with average yields are not being met.

14494-68
PARTIAL RESISTANCE OF CALVES TO CCOPERIA PUNCTATA
PCLLCWING SURCUTANEOUS INOCULATION OF ROMCLOGOUS INFECTIVE
LABVAE.
J F Alicata
J Farasitol 54 (2):350
AFT 1966 44B.6 JB24
Cattle, Cooperia Functata, Immunity, Immunization, Larvae.

14495-68
ABSCEFTICN, UISTRIEUTION AND EXCRETION OF SULFONAMIUES IN RUBINANTS.
F B Austin
Fed Amer Scc Exp Eicl Fed Proc 26 (4):1001-1005 REF
Jul 1967 442.9 F31F
Excreta, Furinants, Sulfonamides.

14496-68
VIRUSES CONTRIBUTING TO THE CYTCPATHIC EFFECT OF BOG CROLERA STRAIN FAV-1.

F A Eachmann E F Sheffy G Siegl
Arch Gesante Virusforsch 22 (3-4):467-471 REF
1967 44E.5 AR23
Cytopathology, Bog cholera virus, Physiology, Tissue culture, viruses.
Abstract: Frimary SFF Fig kidney cultured hog cholera virus strain FAV-1 at passages 2B,135 and205 was studied for cytopathogenicity in FK cell cultures. No adenovirus, BVU virus cr mycoplasma were demonstrated in these cultures although typical cytopathic changes developed. Cytopathic changes recorded were dne to hog cholera virus infections.

14497-68
FEFFCT CE FERTILIZATION ON CREMICAL COMPOSITION, NUTRITIVE VALUE, AND SILICA CONTENT OF ROUGH FESCUE, FESTUCA SCAFFELLA.

L M Bezeau L E Lutwick A U Smith A Johnston Can J Plant Sci 47(3):269-272 REP

Hay 1567 450 C16
Cattle, Fertilizers, Festuca, Festuca scabrella, Nitrogen, Phosphorus, Froteins, Silica, Urolithiasis.

IMPLUENCE OF ISCSECEA IMPECTIONS ON PATENCY OF AVIAN LANKESTEBELIA (ATCXCFLASHA, GARNRAH, 1950). E U Fox
J Farasitol 53(6):1140-1147 REF
Ucc 1967 446.6 JB24
Animal diseases, Firds, Coccidiosis, Lankesterella.
Abstract: Farasitemia and death from Lankesterella increased when sparrows were caged together with access to fecal contamination. Administration of Isospora occysts to adult and nestling sparrows and cauaries also increased parasitemia and death from Lankesterella.

14499-6B
SFIROCERCOSIS IN UGANDA AND ITS ASSOCIATION WITR PIBROSABCOMA IN A COG.
O Euangamoi
J Small Anim Pract B (7):395-39B REF
Jul 1967 41.B JB292
Uogs, Pibrosarccma, Spirocerca Inpi.
English, Prench, and German abstracts
Abstract

14500-6B
POUB CASES OF CANINE INTESTINAL CABCINOMA.
H T Case L C Belger C B Knecht F Small
Vet Med/Small Amim Clin 63(1):40-47
Jan 1968 41.E H69
Carcinoma, Dogs, Intestines.

14501-6B
RABIES IN NEW MEXICO CAVEBN BATS.
U G Constantine E S Tierkel M U Kleckner U M Rawkins
Public Bealth Rep B3(4):303-316 REF
Apr 1968 151.65 P96
Bats, Cave fauna, Rabies.
Alstract

14502-6B
AN ANALYSIS OF CURRENT INSPECTION PROCEDURES FOR DETECTING BOVINE CYSTICERCOSIS.
L W Dewhirst J D Cramer J J Sheldon
Amer Vet Hed Ass J 150(4):412-417 BEP
15 Peb 1967 41.B AH3
Agglutination test, Carcasses, Cattle, Echinococcosis, Meat inspection, Taenia saginata.
Abstract: Comparisons of prescribed United States inspection procedures for bovine cysticercosis with more extensive examinations of the predilection sites showed that the prescribed procedures did not detect infection in at least 26 percent of the carcasses. Antemortes test utilizing intradermal and hemagglutination tests were more accurate in detecting infected animals than the currently prescribed inspection procedures for carcasses.

14503-6B
PLANT POISONING INVOLVING MALE FERN.
J T Edgar I M Thin
Vet Rec B2(1):33-34
06 Jan 1968 41.B V641
Cattle, Poisoning, Poisonous plants, Pteridophyta.

14504-6B
AN ATTEMPT TO PROUUCE SWAYRACK IN LAMBS BORN TO EWES
UOSED WITB RIGB LEVELS OF MOLYRUENUM, INORGANIC SULPBATE
AND HANGANESE UUBING PREGNANCY.
U A Egan T O:Cuill
Irish Vet J (B.S.) 22 (2):2B-32 REF
Feb 196B 41.B IR4
Manganese, Molybdennm, Sheep, Sulfates, Swayback.

14505-6B
HYPOCALCAEMIA AND BYPEBHAGNESRAEMIA IN LACTATING AWASSI
IWES.
H Egyed A Ue Lange
Refuah Vet 24(1):36-34.REF
Har 1967 41.B R25
Calcium phosphates, Bypermagnesemia, Hypocalcemia, Lactation,
Sheep.

14506-6B
OCCURRENCE OF TRYPANOSCHA TBEILER; IN BOVINE PERIPRERAL BLOOU.
S A Ewing U L Carnahan
Amer Vet Med Ass J 150 (10): 1131-1132 REF
15 May 1967 41.8 AM3
Blood, Cattle, Trypanosoma theileri.

14507-6B
RUMINAL LESIONS IN CATTLE PEU ON BARLET.
B F Pell M Kay J T Walker
Vet Bec B1(27):715-716
30 Uec 1967 41.B V641
Rarley, Cattle, Rnmen.
Apparently due to the sharp, hollow hairs on barley.

1450B-68
BBUCELLOSIS REACTORS AMONG VACCINATEU CATTLE.
P U Pichandler
Amer Vet Med Ass J 150(6):624-626 REP
15 Mar 1967, 41.8 AM3
Rrucellosis, Cattle, Immunization.
Abstract: Of 35 Connecticut cattle classified as brucello-

sis reactions during a 2-year period, 76 percent were either proved or suspected of being vaccinated with strain 19 vaccine when sore than 8 months old and some when as much as 16 months old. Fersistent bigh titers in these over-age vaccinated cattle, which resulted in their being classified as reactors at adulthood, delayed the certification of Connecticut as a trucellosis-free state for over a year.

4509-6E
ENCEPEALCEYCCARDITIS VIRUS INFECTIONS IN EIGRIDA.
1960-1966.
JH Gainer
Amer Vet Med Ass J 151(4):421-425 REP
15 Aug 1567 41.8 AB3
Animals, Calves, Encephalomyccarditis virnses, Monkeys,
Pesticides, Ecisoring, Rats, Swine.
Abstract: Twenty-four isolations were made from 18 animals
representing & species, eleven from swine, 114 of which
died. In several swine and 1 calf, chemical analysis of
tissues intimated complicating chemical poisoning, particularly by pesticides. These isolations suggested a bigh
prevalerce of the virus widely distributed in Plorida, and
that swine and subbmman primates are particularly susceptible. The importance of infection in herbivorous animals and
the pessible significance of related chemical poisonings to
the virus infections are not now known.

14510-68
IISTIBUT MYELITIS IN SHEEP.
G A Gates D C Plenden I D Kintner
Amer Vet Bed Ass J 150(2):200-204 REP
15 Jan 1967 41.8 AM3
Lambs, listeria mcnccytogenes, listericsis, Mortality, Sbeep.
Abstract: Eonr lambs with listeric myelitis characterized
by paralysis of one or more limbs had no significant lesions
in their brain stems nor any clinical signs related to dysfunction of the brain or cranial nerves. Listeria monocytogenes was isolated from the spinal cords of 2 of the lambs
but not from the brains. The flock of which these lambs
were a part bad a 34 percent (49 of 145 sbeep) mortality due
to encephalitic listeriosis.

|4511-68
AVAIIABILITY AND UTILIZATION OF MAGNESIUM EBCM DOLOMITIC IIMESTONE AND MAGNESIUM ONTEE IN STEERS.
H J Gerken J F Ecutenot
J Anim Sci 26(6):1404-1408 BEE
NOV 1967 49 J82
Cattle, Diet, Bypcmagnesemia, Iimestche, Magnesium onide.
Abstract

4512-68
ISOLATION OP SALMONEIIA TYPHIMUBIUM EROM CABRIER PIGS.
8 Gitter A E B Kidd
Vet Rec 81(14):356-359
30 Sep 1967 41.8 V641
Iivestock diseases, Salmonella typhimnring, Swine.

14513-68
THE DETECTION OF ENZOOTIC PREUMONIA IN PIG BERDS. I. EIGHT YEARS GENERAL EXPERIENCE WITH A PIICT CONTROL SCHEME. B E W Goodwin F Whittlestone Vet Rec 81(25):643-647
16 Dec 1967 41.8 V641
Animal diseases, Germ-free life, Pheumonia, Swide.

14514-66
PRELIBINABY EXFERIBENTS WITH ANTIGENS OF THEILERIA PARVA (THEILER, 1904).

B N GONTIAY E W Erocklesby
Erit Vet J 123 (12):533-540
Dec 1967 41.6 V643
Antigens, Cattle, Insect vectors, Precipitin test,
Bbificethalns affendiculatns, Theileria parva.

14515-66

PRETIMENARY EVALUATION OF A TRIVALENT BOVINE VACCINE.

A F Granston C J Welter

Vet Med/small Anim Clin 63(1):56-63 BEF
Jan 1566 41.6 M69

Bovine rhinotracheitis vaccines,
Bovine virus diarrbea vaccines, Calves, Parainfluenza-3 virus,
Vaccines.

4516-68
A CONTACTOUS FOX DISPASE IN MONKEYS.
A S Ball W F McNDlty
Amer Vet Med Ass J 151 (7):833-838 BPP
01 Oct 1967 41.8 AB3
Epidexiclogy, Enmans, Monkeys, Foxvirnses, Skin diseases.

Abstract: A spontaneonsly occurring, contagions, epidermal disease in macagues was transmitted to animal bandlers. The clinical course and morbid anatomy was characteristic of a pox infection; however, the isolated agent, while morphologically a pox virns, was not a type that is presently known to infect monkeys or man. Although the method of transmission from monkey to monkey is unknown, handlers usually contracted the disease throngh small scratch wounds on the arms. The disease has a benign and relatively short course.

10517-68
INETURNOE OF A PENICILLIN-STREPTOMYCIN PREPARATION ON LAMB MORTALITY.
A H Hamdy D R Redman C S Bell C F Parker
Amer Vet Med Ass J 150 (2):196-199 REF
15 Jan 1967 41.B AM3
Antibiotics, Lambs, Mastitis, Mortality, Penicillin, Pneumonia, Sheep, Streptomycin.
Abstract: Pregnant ewes were treated intrampschlarly with penicillin-streptomycin both prior to and after lambing. The same preparation was given to their lambs intramuscularly at birth and twice weekly until they were 30 days old. Mastitis and pneumonia resulting in death occurred in nntreated control ewes. Mortality was halved in treated over intreated lambs. Average weight gain was slightly higher in the treated than in the untreated lambs.

14518-68
MYCOTIC DEBMATITIS IN SREEP. I. CLINICAL OBSERVATIONS IN GREAT BRITAIN.
C B Bart
Vet Rec 81(2):36-47 RPP
08 Jul 1967 41.8 V641
Dermatophilus congolensis, Mycotic dermatitis, Sheep.
Abstract: Disease more severe on back than flanks. Disease activity high during wet season and low during dry season. Distribution of lesions snggests that treatment on back only would be sufficient.

14519-68
EVAIDATION OF A RAPIC WHOLE BLOOD TEST FOR BRUCELLOSIS.
E C Hatfield
Amer Vet Hed Ass J 150(3):307-310 REF
O1 Peb 1967 41.8 AB3
Agglatination test, Blood, Bracella abortus antigens,
Bracellosis, Cattle.
Abstract: Several antigens were tested on the whole blood
of almost 1,000 cattle from 8 ranches, and over 7,500 agglutination tests were examined. Tests were done at the site
and time of collection of fresb blood, and on citrated
blood the following day in the laboratory. Results of whole
blood agglatination tests were generally similar to those
obtained with standard plate seroagglutination technique.
A distinct advantage of this rapid whole blood agglatination technique is a saving in time and labor in screening
out reactors and suspects in a bracellosis eradication program.

14520-68

THE CONTROL AND ERAPICATION OF SALMONELLOSIS IN A CLOSED PIG HERD.

T W Heard N E Jennett A R Linton
Vet Bec 82 (4):92-99 REF
27 Jan 1968 41.18 V641

Peces, Infections diseases, Livestock diseases, Nitrofurans, Salmonellosis, Swine.

14521-68
CORYNEBACTERIUM ULCERANS INPECTIONS IN A DAIRY HERD.
T B Biggs A Smith L M Cleverly P K Neave
Vet Bec 81 (2):34-35
08 Jul 1967 41.8 V641
Cattle, Corynebacterium diphtheriae, Livestock diseases,
Mastitis.
Abstract: Udder infection by this bacterium is infregment.
A bigh proportion of cows, however, may become infected.
Cell connts and Whiteside results indicate that infections
may be as severe as those of stapbylococci and streptococci.

IS22-68
DETECTION OF CLOSTBILIUM BOTULINUM TYPE C CEILS AND TOXIN
BY THE PLUORESCENT ANTIBODY TECHNIQUE.
B P Bunter M N Bosen
Avian Dis 11(3):345-353 BEP
Ang 1967 41.8 AV5
Cells, Clostridium botulinum, Pluorescent antibody technic,
Poultry, Toxins.
Abstract

30 14523-68

4523-66
VIRDS ISOLATICH AUS DEN CAECALEN TONSILIEN DES HUHNES
(VIROS ISCLATICN FACH THE CECAL TONSILS OF HEN).
A S h A Ismail
Hancver Ticrarztl Bechsch Inaug Diss 19,92P.
1966 41.2 H196
Poultry, Tourils, Virus diseases (auimals).

14524-68

HESEAFCE CA THE FROFERTIES OF THE PATHOGENIC ASFERGILLUS;
THE HAJOE SPECIES ASFERGILLUS FUNICATUS A. CLAVATUS, A.
FIAVUS. (FF.)
J Jacquet F Ecutificanes
Acad Vet Erauce Bull 40 (4), 165-180. REP.
Apr 1567 41.9 F24
Aspergillusis, Aspergillus, Aspergillus clavatus,
Aspergillus flavus, Aspergillus fumigatus, Livestock,
Morphology.

14525-68

SFORACIC ECVINE ENCEPHALONYELIYIS ISOLATION AND ILENTIFICATICE CE A PSITTACCSIS LYMFHOGBANULCMA VENEBEUT (FLV) AGENT.

KALBER T KODEL F Neumau U Klopfer Befuab Vet 24 (1):51-43 REP Mar 1967 41.6 B25

Auimal bistology, Brain diseases, Cattle, Livestock diseases, Miyagawauella group viruses, Sporaddic bovine encephalomyelitis.

THE VAGINAL MUCUS AGGLUTINATION TEST FOR BOVINE VIRRIOSIS.

J & Reudrick

Amer Vet Red Ass J 15D(5):495-498 REP

O1 Mar 1967 41.8 AM3

Agglutiration test, Cattle, Diagnosis, Vibrio fetus,
Vibriosis.

Abstract: The vaginal mucus agglutination test was found to
be a convenient, accurate method for diagnosing bovine vibriosis, based on both experimental and field observations.

Adaption of a human vaginal tampon decreased the cost and
increased the convenience of the test. Testing in Califoruia indicated that vibriols is an important cause of bovine infertility.

14527-68
STUDIES ON THE DIFFERENTIATION OF MYXOVIRDS INDDCED
INTERFERCE AND ENDOGENOS FYROGEN FROM RABEITS.

H Kohlbage & Follmann R Siegert
Lifz Sci 7(1):627-633 BEF
01 Jun 1968 442.8 L62
Bicochemistry, Pever, Interferon, Myxoviruses, Rabbits.
Abstract: The fever curve and interferon titer seen after inoculation of rabbits with myxovirus show striking similarities. The two substances are however not identical. They can be separated partially by gel filtration and totally by fractionated ethanol precipitation. Dialysis against BC1-RC1 buffer pH 2.0 and against urea or 2-mercaptoethancl shows that the endogenous pyrogen is considerably more labile than interferon.

14528-68
DISTBIBDTION OF VIBUS NEUTRALIZING ANTIBODIES TO DIFFERENT STRAIDS OF ECOS SAECCHA VIBUS AMONG (NORMAL) CHICKS.
A T Kravcheuko A L Altsteiu F S Vcronin
Arch Gesamte Virusforsch 22(3-4):356-363 REP
1967 444.3 AE23
Autitodies, Chicks, Bous sarcoma virus, Serodiagnosis.
Abstract: Antibodies of different straius of Rous sarcoma virus were found in the sera of about 50 percent of chicks.
Porty perceut of chicken sera investigated contained autihodies to the Eryan strain. Autibodies to other strains of Rous sarcoma virus were found in a significantly lower properticu (3-15 percent). Study of the sera of horses immunized with allautoic cultures of influenza viruses revealed antibodies of the Eryau strain but not to the other strains of Rous sarcoma virus.

14529-68

THE EFFECT OF MANAGEMENT ON THE INCIDENCE OF CLINICAL JCBNE'S DISEASE.

A B Larsen E S Merkal

Amer Vet Med Ass J 152(12):1771-1773 BEF

41.8 AM3

Animal hustandry, Calves, Cattle, Johne's disease, Mycchacterium paratuberculosis.

Abstract: The incidence of Johne's disease and the ages at which clinical signs were observed was compared in 2 herds, one keft under corr sauitary conditions (herd A) and other noder good sanitary conditions (herd B). Sixty-two per

ceut of the calves in herd A developed a sensitivity to johniu compared with 6.2 per cent of calves iu herd B. The auuual incideuce of cliuical Johne's disease was 4.2 per ceut iu herd A aud 1.4 per ceut in herd B. The highest incideuce of cliuical disease was observed iu 6- and 7-year-old cattle in herd A aud iu 6-, 8-, aud 9-year-old cattle iu herd B. These figures were statistically significant, and cattle in both herds were clder wheu cliuical signs of disease was first observed than previous studies had reported.

DDRATION OF ACQDIRED IMMONITY OF THE CHICKEN TO EIMERIA TENELLA INFECTION.

W D Leathem W C Eurus
J Parasitol 54 (2):227-232 BEF
Apr 1968 448.8 J824
Chickens, Coccidiosis, Eimeria tenella, Immunity.
Abstract: The stndy suggests that chickeus, immunized by mnltipe dose of E. tenella, develor ouly a condition of "relative immunity." Immunity, whereby the host is protected against fatal E. teuella infection, was found to be effective for at least 105 days. Complete immunity was not found in this study.

14531-68

SIMDITANEODS VACCINATION OF CATTLE WITE CONTAGIODS BOVINE PLEDROPHEDMONIA AND GOAT-ADAPTED BINDERPEST VACCINE. E P Liudley

Hull Epizoot Dis Afr 15(3):221-226

Sep 1967 41.8 E872

Cattle, Immunization, Pleuropueumonia, Binderpest virus, Viral vaccines.

14532-68
SCRAPIE IN A DORSET HORN EWE.
A I Littlejohu S Terlecki
Vet Rec 81(14):355-357 BEP
30 Sep 1967 41.8 V641
Dorset Boru sheep, Livestock diseases, Scrapie.

14533-68
EPIZOOTIOLOGY OF HRDCELLOSIS IN A PLOCK OF SHEEP.
D W Luchsinger R K Auderson
Amer Vet Med Ass J 15D (9):1D17-1021 REP
O1 May 1967 41.8 AM3
Abortiou, Agglutiuation test, Brucella abortus, Hrncellosis, Cattle, Sheep.
Abstract: Brucella abortus type iufectiou was coufirmed iu sheep by seroagglutiuation titers. Ewes aborted or gave birth to weak lambs. H. abortus type I was isolated from cattle maintained with the sheep. The extensive spread of iufectiou within this flock of sheep was attributed to animal husbaudry practices and ecologic conditious.

14534-68
IODINE UPTAKE BY OVA OF HENS GIVEN EXCESS IODINE AND EFFECT DPON OVA DEVELOPMENT.
N A Marcilese B B Barms R M Valsecchi L B Arrington J Nutr 94 (2):117-120
Peb 1968 389.8 J82
Chickeus, Iodine isotopes, Ova.

14535-68
A CLINICAL AND PATHOLOGIC STDDY OF TRE MASTITIS-MERITIS
AGALACTIA SYNDROME OF SOWS.
C E Martiu B E Booper C B Armstroug H E Amstutz
Amer Vet Med Ass J 151(12):1629-1634 REP
15 Dec 1967 41.8 AM3
Agalactia, Mastitis, Meritis, Swine.
Abstract

14536-68
SALMON POISONING DISEASE. IV. TRANSMISSION OF THE DISEASE TO DOGS BY NAMOPHYETDS SALMINCOLA EGGS.
P A Myberg S E Knapp R E Millemanu
J Parasitol 53(4):654-669
Aug 1967 448.8 J824
Dogs, Nauophyetus salmincola, Neorickettsia helmiuthoeca, Trematoda.
Intraperitoneal injection
Abstract

4537-68
COMPARISON OF ROMEN MICROBIAL INBIRITION RESULTING PROBVANCIONS ESSENTIAL CILS ISOLATED PROBRELATIVELY DNFALLATABLE PLANT SPECIES.
E K Oh M B Jones W M Loughbrist Appl Microbiol 16(1):39-44
Jau 1968 448.3 AP5

Cattle, Deer, Essential oils, Microorganisms, Bumen, Weeds. Abstract

14538-66
EVALUATION OF UBEA, FIUBET, UBEA PROSEBATE AND UBIC ACID AS NEW SCUPCES FOR CATTIE.

B B Oltjen I I Slyter A J Kezak F E Williams
J Nutr 94(2):193-202 EFF
Peb 1566 565.6 JB2
Animal nutrition, Fiuret, Carbaride phosphoric acid, Cattle,
Urea, Uric acid.
Nonprotein nitrogen
Abstract

14539-EE
DIBCFILARIA TENUIS CONTAINING MICROFILARIAE IN MAN.
G Facheco F. L Schoffield
Amer J Trop Hed Byg 17(2):1F0-182
Mar 1966 448.6 AB326
Diethylcarhamazine, Dirofilaria, Human diseases, Leukocytosis.
D. tenuis adult female and protable microfilaria found in
man. The natural host is raccoon.

14540-68
THE BELATIONSHIP OF EXPOSURE BATE AND EXPOSURE TIME TO BALIATION INJURY IN SHEEP.
N F Fage E J Ainsworth G F Leong
Badiat Fes 33(1):54-106 REF
Jan 156E 334.E Bill
Cobalt isotopes, Gamma rays, Injuries, Badiation, Sheep-Abstract

14541-68

BESISTANCE OF CATTLE TO BBUCFILM ABOFTUS ECLLOWING VACCIMATION AT TWO AME THREE MONTES OF AGE.

D R Fedram E I Deyce N B King
Amer Vet Med Ass J 150 (4):403-407 BEF
15 Feb 1567 41.6 AMB
Abortion, AggIntination test, Brucella abortus, Cattle, Immunization.
Abstract: Of heifers vaccinated at 2 months, 3 hecame infected and 2 aborted. Three heifers vaccinated at 3 months became infected, 2 of which aborted. Of the pregnant nonvaccinated controls, 4 hecame infected and aborted. Postvaccinal aggIntinin titers were lower and receded to a negative status sconer in cattle vaccinated when 2 and 3 months cld. Resistance to infection of 2- and 3-month-old vaccinated cattle compared favorably with resistance previously found in cattle vaccinated when 4 to 8 months cld.

14542-6E
FILCICGY AND DISSEMINATION OF THE BLACKHEAD DISEASE SYNDBOME
IN TORKEYS AND CHICKENS.

M. M. Seid
Exp. Farasitol 21(2):245-275 BEP
Cct 1567 436.8 EX7
Arthropoda, Blackhead, Chickens, Earthworms,
Reterakis gallinarum, Bistomonas meleagridis, Turkeys.

4543-68
STUDIES ON THE MCDE OF ACTION OF QUINCLONE AND PYBLDONE
CCCCLELISTATS.

J F Kyley
J Farasitol 53(8):1151-1160 BFE
fec 1567 448.6 J824
Benzylcxy-6-n-butyI-3-methoxycarhonyl qninol-4-one, =7-,
Biochemistry, Buguinolate, Chicks, Coccidiosis, Coccidiostats,
Timeria brunetti, Fimeria tenella, Meticlorpindol, Pyridone,
Quinclore.

14544-66

REACTIONS ECLIOWING INTEAMAMMABY INFUSION OF E. COLI
ENDCICKIN.

C W Schalm G Ziv-Silherman
Vet Rec B2 (4):100-103
27 Jan 1566 41.6 V641
Cattle, Escherichia coli, Lipopolysaccharides,
Livestock diseases, Mastitis.

Description of clinical characteristics of sterile endotoxin
mastitis chserved in nine cows following intermammary
infusions of endotoxin.

14545-68
CANIME VACCINATION IN A BURAL OFFO CCUNTY.
F R Schnurrenterger J B Bussell
Amer Vet Med Ass J 150(6):621-623 REP
15 Mar 1567 41.8 AM3
Canine distemeer, Dogs, Immunization, Halies, Surveys.
Abstract: A dcor-tc-door census cf 33 percent of the

households in a rural county in northwestern Ohio revealed that only 22.5 percent of the dogs had heen vaccinated against distemper and 8.6 percent against rahies. Vaccination rates were higher among females, pnrebreds, and dogs over 1 year of age. Geographic location, license status, number of dogs owned, and household size seemed unrelated to vaccination status.

1546-68
TBE BECOVERY OF HOG CHOLERA VIRUS FROM SWINE WITH AN IN UTERO INFECTION.
W L Schwartz R F Solcrzano B B Hamilton J E Thigpen Amer Vet Med Ass J 150(2):192-195 REF
15 Jan 1967 41.8 AM3
Baby pigs, Hog cholera virus, Serum neutralization test, Swine, Uterus.
Abstract: Bog cholera virus was detected in swine 5 months after classical signs and lesions had ceased. The virus was propagated in pregnant sows given anti-hcg cholera serum. The occurrence of stillbirth, deformities, and central nervons system disturbances in new horn pigs was indicative of an in-utero hog chclera virus infection. Sernm-neutralizing hog cholera antibodies were demonstrated in 2 pigs that were enthanatized at 3 months of age. There were no apparent signs of illness in these pigs.

14547-68
FILABLASIS OF ELEPBANTS IN CEYLON.
P Seneviratna J E Jayasinghe & R Jainndeen
Vet Rec 81(27):716-717 REF
30 Dec 1967 41.8 V641
Elephants, Filariasis.
22 Domestic elephants infected with what is prohably a new
species.

14548-68
A COCCIDIA-LIKE ORGANISM ASSOCIATED WITH SUBCUTANEOUS GRANULCHATA IN A DOG.
G C Shelton L D Kintner D O MacKintosh
Amer Vet Med Ass J 152(3):263-267 REP
O1 Feh 1968 41.8 AM3
Animal histology, Coccidiosis, Dogs, Granuloma.
Abstract: A disease characterized by proliferating subcutaneous nodules and a nonfebrile wasting illness was observed in a 6-month-old Collie. Histopathologic studies revealed parasitic organisms which morphologically and hiologically resembled a snbcutaneous form of coccidiosis. The dog apparently recovered; died 2 months later of canine distemper. Organisms resembling coccidia remained in subcutaneous tissues at the time of death.

1454-68
DEVELOPMENT OF A CELL CULTUBE SYSTEM SUSCEPTIBLE TO BEASLES, CANINE DISTEMPEB, AND BINDERPEST VIRUSES.
A Shishido K Yawanouchi & Hikita T Sato A Fukuda F Kohune Arch Gesamte Virusforsch 22 (3-4):364-380 REF 1967 448.3 AB23
Canine distemper virus, Chick embryos, Chiltne media, Measles virus, Rinderpest virus, Tissne culture. Abstract: By nsing Vero cell adapted strains of canine distemper and rinderpest viruse, techniques of infectivity titration and virus nentralization in Vero cells were established. Comparative studies of cytopathology and growth characteristics of canine distemper, rinderpest, and measles viruses indicated that the behavior of the three viruses in Vero cells is almost the same. The Vero cell system was suggested as a snitable host for the comparative study of the serologic and hiologic relationships among measles, canine distemper, and rinderpest viruses.

14550-68

IMBUNCERNIC FROPERTIES OF BARESIAL SERUM ANTIGENS.
K B Sihinovic S Sihinovic M Ristic B W Cox
J Parasitol 53(6):1121-1129 BEF
Dec 1967 448.8 J824
Antihodies, Antigens, Immunization, Piroplasmosis, Serum.
Abstract: The presence of antigens found in the sera of horses, dogs, and rats with acute habesiosis was correlated with the appearance and persistence of parasitemia. The data indicate that these serum antigens are probably the significant immunizing substances associated with acute habesiosis. They show a remarkable lack of parasite species specificity in both serologic and immunogenic properties.

4551-68
BELATIONSHIP BETWEEN CALCIUB AND MAGNESIUM BINDING TO FRACTION I CHLOROPLAST PROTEIN AND BLOAT.
P B Stifel B L Vetter R S Allen
J Agr Food Chem 16 (3):500-504
Bay 1968 381 J8223

RIBLIOGRAPRY

30 14552-68

Alfalfa, Elcat, Calcium, Cattle, Magnesium, Plant proteins,

PUBLIFICATION OF AMEROTERIC AND FASIC ANTIRIOTICS. PATENT 3,37€,339 G Swanhelm Us Fatent Office Offic Gaz 849(1):205 02 Apr 1966 156.65 CF2 Antibiotics, Fatents, Polymyrin B, Streptomycin, Tetracycline.

14553-68 ERUCFILCSIS. INTERSTATE MOVEMENT. Fed Regist 33(72):5678 12 Apr 1966 I1.451 Brucellosis, Cattle, Interstate connerce.

14554-66 EROCFILCSIS. DESIGNATION OF MODIFIED CERTIFIED EROCELLOSIS AEFAS, FORTIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS, AND SLAUGFIERING FSTARLISHBERTS. MODIFIED CERTIFIED FRUCEILCSIS AFFAS. Fed Regist 32(191):13757 03 Cct 1967 L1.451
Brucellcsis, Cattle, Interstate ccumerce.

FRUCEILCSIS. FUELIC STOCKYARDS. Fed Fegist 32 (244): 18086-18087 19 Dec 1967 L1.451 19 Dec 1967 L1.451 Brucellosis, Infections diseases, Livestock, Stockyards.

EROCFILCSIS IN CATILF. NOTICE OF EROFOSED BOLE MAKING. Fed Fegist 33(12):633-634 18 Jan 1968 L1.451 Brncellcsis, Cattle, Interstate commerce.

CISTICEECCSIS. SESTRICTIONS ON INTERSTATE MOVEMENT OF CATTIE; COAFABTINE. Fed Regist 33(71):5613 11 Apr 1966 L1.451 Cattle, Echinococcosis, Interstate commerce.

14558-66 CYSTICEFCOSIS. RESIFICTIONS ON INTERSTATE MOVEMENT OF CATTIF. (UARABTINF. Fed Regist 33(76):5943 18 Apr 1968 L1.451 Cattle, Fchinococccsis, Interstate commerce.

SCAPITS IN CATTLE. ARFAS QUARANTINED RECAUSE OF SCARIES. Fed Regist 33(19):1069 27 Jan 1968 L1.451 Cattl€, Interstate commerce, Quarantine, Scabies.

EBUCELLCSIS. DESIGNATION OF MODIFIED CERTIFIED EBUCELLOSIS ABEAS, FOELIC STCCKYARDS, SPECIFICALLY APPROVED STOCKYARDS, AND SIAUGFITEING FSTABLISHMENTS. MODIFIED EBUCELLOSIS AREAS. Fed Regist 32 (218):15577-15578

OF NOV 1967 L1.451

PROPORTION OF THE PROPORTION OF

ABSTREOTICS USED IN FCCD-PRODUCING ANIMALS.
Fed Regist 33(71):5616
11 Apr 1968 L1.451
Antibiotics, Eggs, Livestock, Betabolites, Hilk, Fublic health, Besidnes, Tissnes.

Brncellcsis, Cattl€.

NCTICE OF EILING OF PETITION FOR FOOD ADDITIVES. Fed Regist 33(75):5896 17 Apr 1968 L1.451 Arsanilic acid, Engninolate, Chickens, Chlortetracycline, Coccidicsis, Enteritis, Feed, Nitro-4-hydroxythenylarsonic acid, 3-, Bespiratory diseases, Synovitis.

14563-66
BCTICF CF FILING CF FFIITION FOR FOOD ADDITIVES ENTEROMICIE
TRICCYANAIT AND DIMETRIDAZCLF.
Fed Regist 33 (55):4751
20 Mar 1966 L1.451
Dischard Dimetridazole. Erythromycin thiocyanate, Blackhead, Cimetridazole, Erythromycin thiocyanate, Feed additives, Tclerances, Inrkeys.

NOTICE OF PILING OF PETITION FON FOOD ADDITIVES ENTEROMYCIN AND CIFTHYLSTILEFSTECL. Fed Regist 32(159):11896 17 Ang 1967 L1.451 Cattle, Diethylstilbestrol, Erythromycin, Fattening, Feed additives, Liver diseases.

14565-68 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE BUQUINOLATE. Fed Regist 33(55):4751 20 Mar 1968 L1.451 Enguinolate, Chickens, Coccidiostats, Feed additives.

14566-68 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE TYLOSIN. Fed Negist 33(55):4751 20 Mar 1968 L1.451 Chickens, Feed additives, Respiratory diseases, Tylosin.

NOTICE OF FILING OF PFTITION FOR FOOD ADDITIVE SODION ARSANILATE. Fed Regist 246 (32):20669 21 Dec 1967 11.451 Blackhead, Feed additives, Soding arsanilate, Inrkeys.

14568-68 NITRODAN; PROPOSED REVOCATION. Ped Regist 32(206):14697 24 Oct 1967 L1.451 Anthelmintics, Dogs, Drngs, Nitrodan, Regulations.

14569-68 NOTICE OF FILING OF PETITIONS FOB FOOD ADDITIVES CABBARSONE (NOT U.S.P.), ZINC BACITBACIN, ZOALEND.
Fed Regist 33(86):6753 02 May 1968 L1.451 Blackhead, Carbarsone, Coccidiosis, Feed additives, Sinnsitis, Inrkeys, Zoalene.

14570-68 HITRODAN; NOTICE OF WITRORAWAL OF APPROVAL OF NEW-DRUG APPLICATION.

Ped Regist 32 (206):14698
24 Oct 1967 L1.451

Ancylostomatidae, Anthelmintics, Dogs, Drngs, Nitrodan, Regulations, Toxocara, Uncinceria.

14571-68 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES DIMETRIDAZOLE, RESERPINE. Fed Regist 33(11):599 17 Jan 1968 L1.451 Blackhead, Dimetridazole, Feed additives, Reserpine, Torkeys.

14572-68 ON THE LONGEVITY OF CYSTICERCUS BOVIS IN VARIOUS ORGANS IN A BOVIRE. L W Van Den Reever J Parasitol 53(6):1168 Dec 1967 44B.8 J824 Cattle, Cysticercus, Echinococcosis, Longevity, Viscera.

14573-68 RISK OF RESISTANCE TO CRLORAMPRENICOL.

D A Walker A R Taylor B Richardson Vet Bec 82(12):361
23 Mar 1968 41.8 V641
Antibiotics, Chickens, Chloramphenicol, Erythromycin, Escherichia coli, Mycoplasmosis, Preventive medicine.

14574-68 THE TRANSMISSION OF A SPECIFIC ENCEPHALOPATRY OF MINK TO THE GOAT. I Zlotnik B M Earlow Vet Rec 81(2):55-57 08 Jnl 1967 41.8 V641 Brain diseases, Goats, Minks.
Compared with scrapie and wink encephalopathy.

Arthropods

14575-66
BICLOGICAL NOTES ON EYE-FREQUENTING MOTHS FROM N. TRAILAND.
W Euttiker
Sobweiz Entomol Ges Mitt 39 (3/4):154-179 BEF
15 Agr 1967 420 Sh6
Eyes, Geometridae, Insect behavior, Insect hiology, Livestock,
Lycaenidae, Manmals, Mermis, Noctuidae, Pyralidae.

14576-68
FORCEPPAICSIS CAUSED BY ARBIIIIFER (NETTCHYNCHUS)
ARBIIIATUS (PENTASTOMIDA) WYMAN 1847 IN CATTLE AND PIG
(MALI AND UPPER VCLTA). (FR.)
A Challier B Gidel S Traore
Rev Elevage Med Vet Pays Trop (N.S.) 20 (2), 255-259.
1967 41.6 53262
Armillifer armillatus, Cattle, Forocephalosis, Swine.
Abstract

14577-66
STODIES ON THE TRANSMISSION OF SIMIAN MALARIAS. II.
THANSMISSICN OF THE H STHAIN OF PLASMODIUM RNOWLESI
BY ANCEMBLES FALABACENSIS FALABACENSIS.
WE Collins F G Contacos E G Guinn
J Farasitol 53 (4): £41-844
Aug 1967 448.£ J824
Anopheles talabacensis, Insect vectors, Malaria, Monkeys,
Flasmodium knowlesi.
Abstract

14578-60
SORE NOTES ON ELEAS (SIFHONAPTERA) OF DOMESTIC ANIMALS
IN NORTHER TANZABIA (EAST AFRICA).
J E Cooper
Entomologist (london) 101(1257):43-45
Feb 1566 421 EN8
Livestock, Siphonaptera.

14579-66
APERRANI BYFOLDEMA ECVIS INEECTION IN A COW.
J B Greve C B Cassidy
Amer Vet Med Ass J 150 (6):627-628 BEF
15 Mar 1967 41.8 AB3
Cattle, Byfoderma Lovis.
Abstract: An aberrant 3rd instar Byfoderma hovis was
found ir a lymph node from a cow. Grossly, the result ant
lymphadenitis resembled tuberculosis. The possibility is
suggested that Byfoderma larvae may persist for several
months anaerctically in bovine tissnes.

1A5E0-68
CCMTGCL OF CRICKEN ECDY, SRAFT, AND WING LICE ON LAYING BENS BY SEIF-IBEATMENT WITE IMSECTICIDE DUSTS AND GRANULES.
B A Refiman E F Regan
J Econ Entemol 60 (6):1703-1705
Dec 1967 421 J822
Carbophencthion, Chemical control (insects),
Chlore-1-(2,4,5-trichlorophenyl)vinyl =dimethyl =phosphate =,
Dusting, Imidan, Lipenrus caponis, Benacanthus straminens,
Menopen gallinae, Feultry, Zytron.
Abstract

14561-68
THE FOSSIFIE EXISTENCE OF TWO STRAINS OF OSTERTAGIA CSTERTAGI.
J F Michel
Vet Rec 81(27):716
30 Dec 1967 41.8 V641
Cattle, Impunity, Larvae, Ostertagia ostertagi.

4562-68
A BIBLICGBAPRICAL GUIDE TO THE ANIMAL PARASITES AND
ABTERCPCD PESTS OF CEYLON.
B A P Senadhira
Ceylon J Sci Fiol Sci 6(2):39-216
Peb 1567 475 C33
Animals, Arthropoda, Bibliography, Insect pests, Farasitism.

14583-68
THE FACE FLY, MUSCA AUTUMNALSS (DER GEER), IN MANITOFA.
D L Smith
Entomol Soc Manitoba Proc 22:30-32, MAP
1966 420 EN88
Cattle, Musca automodalis, Surveys, Zoogeography.
Abstract

14584-68
ECTOPARASITES OF CANADIAN BIRDS AND MAMMALS.
N Wilson
Entomol Soc Wash Proc 69 (4):349-353 REF
Dec 1967 420 W27
Birds, Ixodides, Mammals, Mites, Parasitic insects,

Parasites

Parasitism.

14585-68
SREEP LIVER PLUKE, FACSIOLA HEPATICA L., 1758 PBOM BUEFALO, BISON RISON (L., 1758) IN WESTERN WYOMING. R C Eergstrom
J Parasitol 53 (4):724
Ang 1967 448.8 J824
Bison, Fasciola hepatica.

14586-68
PASCIOLIASIS: FIELD TRIALS OF NITROXYNIL IN SHEEP.
A J Colegrave
Vet Rec 81(12):343-348
23 Mar 1968 41.8 V641
Anthelmintics, Fascioliasis, Nitroximil, Sheep.
Abstract: 20 mg. pek kg. injected smbcutaneonely arrested mortality in acutely affected flocks. In advanced outhreaks death was hastened by the drng. 10 mg. per kg. brought good climical response and was well tolerated by sheep.

14587-68
VETERINARY TRERAPEUTICS WITH EMPBASIS ON ANTHELMINTICS.
B E Dunlop
Fed Amer Soc Exp Biol Fed Proc 26(4):1227-1243 BEF
Jul 1967 442.9 F31P
Anthelmintics, Helmintbiasis, Livestock diseases, Pesticides,
Therapeutics, Veterinary medicine.

14588-68
THE HOST-PARASITE INTERPACE OF CYATHOCOTYLE BUSRIENSIS KBAN, 1962 (TBEMATODA, STRIGEOIDEA). II. ELECTRON HICRCSCOPE STUDIES ON THE TEGUMENT.
D A Erasmos
J Parasitol 53 (4):703-714 REF
Ang 1967 448.8 J824
Cyathocotyle hushiensis, Docklings, Electron microscopy, Trematoda.
Abstract

4589-68
ULTRASTRUCTURAL ASSECTS OF COCYTE DEVELOPMENT AND SRELL FORMATION IN ASCARIS LUMERICOIDES.
W E Foor
J Parasitol 53(6):1245-1261 BEE
Dec 1967 448.8 J824
Animal physiology, Ascariasis, Ascaris lumbricoides, Cytology, Cogenesis.
Abstract: Cocytes of A. Inmbricoides are attached throughout their development to an axial rachis by means of cytoplasmic bridges. Development of the cocytes is synchronous.
The fine structure of the Deterine cells is that of typical secretory cells.

4590-68
ON A NEW SPECIES OF TEE NEMATORE GENUS CRABERTIA BAILLIET AND BENRY, 1909 PBOM SREEP IN KASRMIB.
D N Potedar N Bambroo
Indian J Belminthol 19 (2):192-196 BEF
Sep 1967 436.8 1N2
Chabertia bimalayana, Sheep, Taxonomy.

14591-68
ACTION OF NAFBTHALOPBOS AND YOMESAN AGAINST ASCARIDIA GALLI AND BETEBARIS GALLINABUM IN CHICKENS.
T S Foxx M F Ransen

14600-68

30 14592-68

Avian Dis 11 (4):680-683 Nov 1967 41:6 AV5 Anthelaintics, Ascaridia galli, Cecal worms, Chickens, Diarrhea, Leterakis gallinarnm, Naphthalophcs, Yomesan.

14552-68
HISTOCHFBICAL STUDIES OF CABBOXYLIC ESTEBASE ACTIVITY IN FASCICIA EFFATICA.
D W Halten
J Farasitol 53 (6):1210-1216 BEE
Dec 1967 440.8 J824
Acetylcholinesterases, Carboxylesterase, Fasciola hepatica, Histochemistry, Newatches, Sheep.

4593-66
A SORVEY OF INTESTINAL BELMINTES IN DOGS FROM ALEDQUEBQUE
AFF MEXICC.
E F Hathaway
J Farasitc1 53(6):1240
Dec 1967 446.6 JE74
Cestoda, Climate, Eogs, Helminthology, Intestines, Nematodes,
Surveys.

14594-68
TOXCETASÈÀ ANT TCXCELASMOSIS.
L Jacobs
Advances Farasitc1 5:1-45 REF
1967 436.€ ADS
Animals, Fride≡iclogy, Toxoflasmosis.
Chiefly medical parasitology.

14595-68
BISTCCHEMICAL STDLY OF DRDG FEFFCTS ON MICE INFECTED WITH THICELEMICAL STDLY OF DRDG FEFFCTS ON MICE INFECTED WITH THICELEMICAL STDLY OF DRDG FEFFCTS ON MICE INFECTED WITH THICELEMICAL STDLY OF DRDG FEFFCTS ON MICE INFECTED WITH THICELEMICAL STDLY OF DRDG FEFFCTS ON MICE INFECTED WITH THICELEMICAL STDLY OF DRDG FEFFCTS ON MICE INFECTED WITH THE MICE INFECT

14596-68
TRE STRECTORE OF THE CLEANING BEOSH ON THE PEDIPAIPS OF SCHE AFFICAN ABELIFYGI (ARACRNICA).
E F LAWLENCE
J ZCOL 154(1):1-8 FEF
Jan 1566 410.9 L&F
Electron microscopy, Gastrointestinal system, Nematodes, Nippostrongylus trasiliensis.

14597-68
IMBDNITY CE DOGS TO ANCYLOSICHA PRAZILIENSE INFECTION
ECILCWISG VACCINATION WITE I-IRBALIATED ANCYLOSTOMA
CANNINDE IAFVAE.

TA Miller
AMER Vet Med Ass J 150(5):508-515 REP
01 gar 1967 41.8 AMB
Ancylostoma traziliense, Ancylostoma caninnm, Dogs, Immunity,
Immunization, I-rays.
Abstract: This interspecific protection, following use of
I-irradiated A. caninnm vaccine in paps, may have been
practical significance in prevention of creeping eruption
associated with infection in man with A. braziliense larvae.

14598-6E
TRE FIOICGY OF THE ACANTROCFFHALA.

L Wichclas
Advances Farasitol 5:205-246 BEF
1967 436.8 ALG
Acanthocephala, Arthropoda, Eiology.
Includes bost-parasite interaction in vertebrate and arthropod k.csts.

14599-66

METAFCLIC TRANSFORMATION OF 14C-GLDCOSE INTO TISSUE PROTEINS OF ABCYLCSTCHA CANINDB.

M E FETEZ-GIMENEZ A GIMENEZ K Gaede
Exp Farasitol 21(2):215-223 BEF
Oct 1967 436.8 EX7
Amino acids, Aminctransferases, Ancylostoma caninnm,
Carbon isotopes, Clucose, Metabolism, Proteins,
Radioactive tracers.
Abstract: Inring the present stndy c-14-glncose was taken
np, actively metabolized by A. caninnm, and partially

transformed into amino acids and proteins of the parasite. Aminating enzymes are present in the worm homogenates.

GROWTH OF THE CESTCDE BAILITETINA CESTICILLDS IN BACTERIA-FREE CHICKENS.

W M Beid B Rotero
Exp Parasitol 21(2):149-153
Oct 1967 436.8 E17
Cestoda, Chickens, Germ-free life, Raillietina cesticillns.
Abstract: Snrvival rate of antibiotic-sterilized cysticercoids was 21 worms from 145 cysticercoids in bacteria-free
tapeworms compared to 30 worms from 133 cysticercids in
similarly parasitized control birds. These trials demonstrated no contribution to or interference from the normal
bacterial flow of the digestive tract of the fowl in establishment of infection or in growth rate of the cestode
B. cesticillus.

14601-68
THE PATHOLOGY OF PASCIOLA REPATRICA INFECTION IN PIGS: A COMPARISON OF THE INFECTION IN PIGS AND OTHER HOSTS.
J G Boss C Dow J R Todd
Hrit Vet J 123(7):317-322 BEF
JD1 1967 41.8 V643
Pascioliasis, Laboratory ani

14602-68
ON THE PSEDDOPHYLLIDEAN GENDS SPIRCHETRA MUELLER, 1937 IN
INDIAN DOGS.
V K Sahasrabndhe H L Shah
Indian J Helminthol 19(2):87-96 BEP
Sep 1967 436.8 IN2
Dogs, Spirometra, Taxonomy.

603-6B
INFLORNCE OF PH AND OF SALTS ON THE DEVELOPMENT OF EGGS OF PASCIOLA BEPATICA. (EB)
B Saint Gnillain B Pechenr
111 (4): 251-257
Jun 1967 41.8 AN78
Pasciola bepatica, Bydrogen-ion concentration, Salts.
English and French SnBEaries
Abstract

4604-68
THE PRE-INFECTIVE LARVAL STAGES OF STEPHANOFILARIA
ASSAMENSIS, TRE CADSATIVE PARASITE OF EUMPSORE OF INDIAN
CATTLE.
B D Srivastava S C Dutt B C Malviya
Indian J Relminthol 19(2):81-86 HEF
Sep 1967 436.8 IN2
Cattle, Insect vectors, Morphology, Musca conduceds,
Stephanofilaria assamensis, Verminons dermatitis.

14605-68
INCIDENCE OF TOXOCABA CANIS AND OTHER RELHINTH PARASITES OF DOGS IN HELICO CITY.
T J Styles
J Parasitol 53 (4):822-823 BEF
Aug 1967 448.8 J824
Ancylostoma caninom, Dipylidinm caninum, Dogs, Echinococcus grannlesus, Parasites, Taenia, Toxocara canis.

4606-68

EXPERIMENTAL ASCARIDIASIS: INFLDENCE OF CHICKEN AGE AND INFECTIVE EGG DOSE ON STRUCTURE OF ASCARIDIA GALLI POPDLATIONS.

8 Tongson E M McCraw
Exp Parasitol 21(2):160-172 REP
Oct 1967 436.8 EIT
Aging, Ascariasis, Ascaridia galli, Chickens.
Abstract: The recovery of A. galli from domestic fowl given 1000 infective eggs when 2-,4-,6-,8-,12, and 16-weeks old presented a graded population picture with the total worm burden declining with age. Most worms resided in the intestine between the bile dnct and Meckelis diverticninm.
Both age at infection and infective dose influence the time of appearance of larval precipitates.

40 COMMODITY PROTECTION

Microbial Contamination

14607-66
AFIATCXIN AND ITS CCMIRCL.
I A Gcldtlatt
Econ Fot 22(1):51-62, BEF.
Jan 1566 450 EC7
Aflatcxin, Aspergillus, Peed toxicity, Pood contamination, Metabolites, Feannts.

14608-66
NCTICE CF FILING OF FETITION FOR FOOD ADDITIVES.
Fed Begist 246(32):20668-20669
21 Dec 1567 11.451
Cotton Lage, Dried food, Insecticides, Piperonyl Lutoxide,
Fyretbrus.

Storage Diseases

14609-66
WHAT VETEFINABIANS CAN DO AFOUT THE SALMONELLA PROBLEM.
G B SDOEYERICS
Amer Vet Med Ass J 151(12):1795-1800 REP
15 Dec 1567 41.6 AM3
Food contamination, Livestock, Man, Salmonella, Wildlife.

Arthropods

14610-66
THE CONSERVATION OF EUILDING TIMBERS; A STUDY OF THE INCITERCE OF WCCD-ECEING INSECTS AND WOCD-BOTTING PUNGI IN
BUILDINGS AND CTHEE CONTRIBUTIONS TOWARDS THE CONSERVATION
OF EUILDING TIMBERS. TA422.E5.
N E Rickin
144 P. ICEDON BUTCHINSON
1967
Euildings, Fungus diseases (Flants), Inbber preservation,
Wood forers, Ecod destroying fungi.

WHAT:: FEST FCE CONTECTIONS STOFED PRODUCTS INSECTS, INCLUDING FCACRES.

J Fatton F Fisher I N Febr Fest Gott 35(11):8 9,11
Nov 1567 445.6 EXE

Butonate, Chemical control (insects), Diazinon, Fentbion, Maled, Ecnnel, Tribolium castanenm.

14612-68
WOOD- AND FARK-FEEDING COLECTIES OF FELLED WESTERN
LARCH IN HEITISE COLUMBIA.
D A ECSE
Entemol Soc Brit Columbia Proc 64:23-24
01 Aug 1967 420 H77
Colectera, Dendroctonns psendotsngae, Forest insects,
Larix occidentalis, Logs, Melancphila drnmmondi,
Serrogalpus substriatus, Tetroping velutinum.
Abstract

14613-68

BARBECUED CHICKEN AS A SOUBCE OF FOOD FOISONING. (ARSIBACT).

I E Erdman T Barr B Fivnick J I Pataki
Can J Fnblic Bealth 59(1):32
Jan 1968 449.8 P964

Barbecueing, Chickens, Convenience food, Food poisoning,
Staphylococcus.

14614-68
THE EPPECT OF PH ON THE MULTIPLICATION OF LISTERIA MONOCYTOGERES IN GRASS SILAGE MEDIA.
A D Irvin
Yet Rec 82(4):115-116
27 Jan 1968 41.8 V641
Grass silage, Rydrogen-ion concentration,
Listeria monocytogenes.
In relation to listeriosis ontbreaks in cattle and sheep

14615-68
STAPPYLOCOCCUS FOOD FOISONING PROM BARBECUED CRICKEN.
B Pivnick T B B Earr I F Erdman J I Pataki
Can J Public Realth 59(1):30-31
Jan 1968 449.8 P964
Barbecueing, Chickens, Convenience food, Food poisoning,
Staphylococcus.

55 RESIDUES

Crops. Insecticide residnes, Pesticide analysis.

50 ENVIRONMENTAL CONTAMINATION

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14616-68
                                                                                                            14622-68
  GAS CHECHATOGRAPHY. A METECO FC6 THE DETERMINATION OF PESTICITE BESIDUES. (SW )
                                                                                                               TOLERANCES AND EXEMPTIONS PROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON HAW AGRICULTDRAL COMMODITIES.
                                                                                                               TRIABENDAZOLE.
   M Akerblom
  Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):19-21
1967 464.9 Sh3V
                                                                                                                Ped Regist 33(82):6343-6344
                                                                                                               26 Apr 1968 L1.451
  Chrcmatcgraphy, Pesticides, Soil contamination.
                                                                                                                Bananas, Pungicide residues, Thiazolyl)-benzimidazole, (2-(4-,
                                                                                                               Tolerances.
  SEECTEOFICICMETEIC DETERMINATION CE SEVIN IN NATURAL
                                                                                                            14623-68
                                                                                                               TOLERANCES AND EXEMPTIONS PROM TOLERANCES FOR PESTICIDE
   WATERS.
  O E Aly
                                                                                                               CREMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. S-ETRYL HEXARYDRC-1 E-AZEPINE-1-CARBOTHIOATE.
   Amer Water Works Ass J 59 (7):906-912 BEF
  Jul 1967 252.5 AM32J
Carbamates, Carbaryl, Chemical analysis, Insecticide residues,
                                                                                                               Ped Regist 32(212):151D7
D1 Nov 1967 L1.451
Ethyl hexabydro-1h-azepine-1-carbothioate, S,
  Carbamates, Cartaryl, Chemical analysis, Insecticide residus Spectrophotometry, Water pollntion.
Abstract: A method has been developed of sevin and its hydrolysis product, 1-naphthol. It involves the extraction with Chloroform and the hydrolysis of Sevin to 1-naphthol, which reacts with 4-aminoantipyrine and an oxidizing agent in alkaline medium to form a red-colored complex. Ammonia-phosphate buffer was used. Free 1-naphthol is removed by
                                                                                                                Herbicide residnes, Rice, Tolerances.
                                                                                                               A METABOLIC STUDY OF 3-(3,4-DICRLOBOPHENYL)-1,1-DIMETHYLDREA
                                                                                                               (DIDECN) APPLIED TO COEN SERVINGS.
J Agr Pood Chem 16(3):426-433
May 1968 381 JE223
   a basic agneous solution and can be determined separately.
                                                                                                               Carbon isotopes, Corn, Dinron, Berbicide residnes,
Hetabolites, Pesticide analysis, Badioactive tracers.
14618-68
DSE OF SCIL CONTAMINATED WITE SE-90 FOR SEED FRODUCTION.
  E J Evans A J Dekker
Can J Flant Sci 47(3):319-320
                                                                                                                WHAT:S BEHIND THE DDT BASSLE?.
  Barley, Eeed grains, Oats, Seeds, Soil contamination,
                                                                                                                131(4):28,30,120
                                                                                                                Apr 1968
  Soyteans, Strontium isotopes, Wheat.
                                                                                                               Ddt, Pesticide residnes, Tolerances.
14619-68
                                                                                                            14626-68
  PERSISTENCE AND EICDEGRADATION OF PODE COMMON ISOMERS OF EENZENE BEXACELORIDE IN SDEMEEGED SOILS.

I C Bac Fac K Eaghn T F Castro
J Agr Food Chem 15 (5):911-914

Sep 1967 381 J8223
                                                                                                               TOXIC GROUNDNUT MEAL: THE RELATIONSHIP BETWEEN APLATOXIN B1 INTAKE BY COWS AND EXCEPTION OF APLATOXIN M, IN MILK. B Allcroft B A Roberts
                                                                                                                Vet Bec 82 (4):116-118
27 Jan 1968 41.8 V641
  Renzene hexachloride, Carbon isctopes, Chilo suffressalis, Chromatcgraphy, Degradation, Insecticide residues, Lindane, Badioactive tracers, Bice, Scil micrcorganisms.
                                                                                                               Aflatoxin, Cattle, Milk, Peannt meal. Concentration in milk in relation to that in feed .
   Abstract
                                                                                                               QDANTITATIVE MEASDBEMENT OF COMBINATIONS OF ARAMITE, DDT, TOXAPHENE, AND ENDRIN IN CHOP RESIDUES.
  WATER CEICEINATICS CONTROLS PSEDDOMONAS APROGINOSA IN A
                                                                                                               T E Archer
                                                                                                                Bull Environ Contamination Toxicol 3(2):71-79
  B & McDcmald & E Finheiro
                                                                                                               Mar 1968 RA 1270. P35A1
Aramite, Chromatography, Crops, Ddt, Endrin,
  Amer Vet Med Ass J 151(7):863-864 REP
01 Oct 1967 41.8 AM3
                                                                                                                Insecticide residnes, Pesticide analysis, Toxaphene.
  Chlorine, Esendomonas aernginosa, Babbits, Water treatment.
                                                                                                            14628-68
                                                                                                                BERARDOWN OF 14C-CELCEFENVINPEOS INSECTICIDE ON CHOPS.
                                                                                                               R I Beynon A B Wright
19(3):146-153
Mar 1968
  DEGRADATION OF N- (MERCAFICHETRYL) FRERALIMIDE-S+ (O.O-DI-
   METETIPECSFECECDITEIDATE) (IMIDAN) IN SOILS.
  J J Menn J B McBain
J Econ Entemol 58(5):875-878
Oct 1965 421 J822
                                                                                                               Cabbage,
Chloro-1-(2,4-dichlorophenyl) winyl diethyl phosphate, 2-,
Corn, Decomposition, Insecticide residnes, Potatoes.
   Degradation,
  Dimethyl S-phthalimidemethyl phesphorodithioate, 0,0-, Insecticide residnes, Soil hydrolysis, Soils.
                                                                                                               DETERMINATION OF PENTRION AND EIVE OF ITS METABOLITES IN
                                                                                                               COEN, GRASS, AND MILK.

C Bowman M Beroza

J Agr Pood Chem 16(3):

May 1968 381 J8223
                                                                                                                                         16 (3):399-402
                                                                                                               Chromatography, Corn, Penthion, Grasses, Insecticide residnes, Metabolites, Milk, Pesticide analysis.
                                                                                                               DETERMINATION OF ALKYL DINITEOPHENYL CARBONATES AND CTHER ESTERS, WITE PARTICULAR REFERENCE TO DINORDTON, IN PROIT AND
                                                                                                                VEGETABLES.
                                                                                                               E Crossley V P Lynch
19(2):57-59
Feb 1968
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14631-6E
EXCHETION OF DOT BY MIGHATORY EIBDS.
J M BAIVEY
Can J Zool 45(5):E29-633
Sep 1967 470 C16D
Birds, Frain, Carlon isotopes, Edt, Excreta,
Insecticide residues, Liver, Hadioactive tracers, Starlings.
Abstract

14632-68
FESTICITY FESTIDIFS IN POODSTUFFS IN CHEAT BEITAIN. V. MAIATHICE IN IMPOSTIC CEBEAIS.
E G Fill B B Thompson
19 (3):119-124
Mar 1566
Grain, Insecticide residues, Balathion.

14633-66
APFLICATION OF THE FAPID MICSCMFTHOD OF SAMPLE CLEANUP POB
GAS CHECMATCGFAFRIC ANALYSIS OF COMMON OBGANIC FESTICIDFS IN
GBCUNT WATER, SCII, PLANT AND ANIMAL EXTRACTS.
A B Kadens
Bull Environ Contamination Toxicol 3(2):65-70
Bar 1966 FA1270.F35A1
Animals, Chromatography, Cleanup, Groundwater,
Pesticide analysis, Festicide residues, Plants, Soils.

14634-6E
DIAZINON AFSCEFTICN, TRANSLCCATION, AND METABOLISM IN BEAN FIANTS.
A S H Kanscuh T L Bopkins
J Agr Food Chem 16(3):446-450
May 1966 361 J8223
Peans, Carbon isotopes, Diazinon, Bydrolysis,
Insecticide residues, Metabolism, Plant translocation,
Radioisctores.

14635-66
RESIDUES IN SFINACE GROWN IN DISULPCTON- AND FROBATE-THEATFO SCII.
B E Menzer I F Ditman
J Econ Entorol 61(1):225-229 BFF
Feb 1966 421 J822
Chromatography, Disulfoton, Food contamination,
Insecticide residues, Pesticide analysis, Phorate,
Soil contamination, Spinach.
Abstract:
the data reported here show that disulfoton and phorate are extremely persistent in spinach under cold-weather conditions.

14636-66
THE PARTIAL FECTOLYSIS OF 6-CHLOROPICOLINIC ACID IN AQUEOUS SCLUTION.
C T Bedemann C B Tonngson
3 (2):57-105
Mar 1966
Rydrolysis, Festicide residnes, Photochemistry.

14637-66
THE FATE CF 4-AMINC-3,5,6-THICHLOHOPICOLINIC ACID IN SPHING WHEAT AND SCII.
C T Redemann B W Eeikle F Hamilton V S Banks C B Youngson 5(2):80-95
Har 1566
Amino-3,5,6-trichloropicolinic acid, 4-, Chromatography,
Herbicide residnes, Metabolites, Pesticide analysis, Soils,
Synthesis, Wheat.

14638-6E
TCLEBANCES AND EXEMPTIONS FBCM TOLEBANCES FOR PESTICIDE CHEFICAIS IN CE CN EAW AGBICULTUBAL COMMODITIES.
4 (METHYLSUJFCNYL)-2,6-DINITEC-E,N-DIFFOPYIANILINE.
Fed Eegist 33 (103):7720-7721
25 May 1568 L1.451
Agricultural products, Rerhicide residnes, Tolerances.

14639-6E
5,6-TICELCBO-1-FHENOXYCARBCNYL-2-TBIFLUOROMETHYLBENZIMID-AZCIF. MOTICE OF ESTAELISEBENT OF TEMPORARY TCLERANCE.
Ped Fegist 33 (104):7776
28 May 1968 11.451
Apples, Insecticide residnes, Tolerances.

|4640-68 TOLEBANCES AND FXEMETIONS FROM 101FBANCES FOR PESTICIDE CREMICAIS IN CE CK BAW AGRICULTUBAL COMMODITIES. 2,4-D. Fed Begist 32(167):12473 29 Ans 1967 11.451 D, 2,4-, Grain, Berhicide residnes, Tolerances.

14641-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON BAN AGRICULTUBAL COMMODITIES.
2-CHLORO-4,6-BIS (ISOFROPYLAMINO)-S-TRIAZINE.
Ped Regist 33(109):8337-8338
05 Jun 1968 L1.451
Peed, Porage plants, Grain, Herhicide residues, Tolerances.

14642-68
NOTICE OF FILING OF PFITION REGARDING PESTICIDE CHEMICALS.
Ped Regist 33(109):8356-8357
05 Jnn 1968 L1.451
Endosulfan, Insecticide residues, Lettuce, Soyheans,
Tolerances.

14643-68
SUCCINIC ACID 2,2-DIMETRYLHYDRAZIDE. NOTICE OF ESTABLISHMENT
OF TEMFOBARY TOLFRANCF.
Fed Regist 33(109):8357
O5 Jnn 1968 L1.451
Peannts, Pesticide residues, Plant regulators, Tolerances.

4644-68 2-METRYL-2-(METHYLTBIO)PROPIONALDIRYDE O-(METHYLCARBAMOYL)-OXIME. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE. Fed Regist 33(109):8357 US Jun 1968 L1.451 Cottonseed, Insecticide residues, Potatoes, Temik, Tolerances.

14645-68
NOTICE OF WITHDRAWAL OF PETITION BEGARDING PESTICIDES.
Fed Begist 33(104):7775
28 May 1968 L1.451
Agricultural products, Herhicide residues, Tolerances.
Mixture of chemicals

14646-68
2,4-DICHLOBOPHENYL F-NITROPHENYL E1HER. NOTICE OF EXTENSION OF TEHEOBABY TOLFRANCES.
Ped Regist 33(104):7775
28 May 1968 L1.451
Agricultural products, Berbicide residues, Tolerances.

14647-68
2,4-DICHLOROPRENYL P-NITROPHENYL ETRER. NOTICE OF ESTARLISHENT OF TEMPOBABY TOLFRANCES.
Fed Regist 33(104):7775
28 May 1968 L1.451
Herhicide residnes, Tolerances.

14648-68
2- (P-TEHT-BUTYLPRENOXY) CYCLOHEXYL 2-PROPYNYL SULPITE.
NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCES.
Fed Regist 33(104):7776
28 May 1968 80 F9492
Fruits, Insecticide residnes, Nuts, Tolerances.

4649-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES. Ped Regist 32(162):12068
22 Ang 1967 L1:451
Dimethyl S-phthalimidomethyl phosphorodithioate, 0,0-,
Insecticide residues, Tolerances.

14650-68
NOTICE OF FILING OF PETITION BEGARDING PESTICIDES.
Fed Begist 32(159):11895
17 Aug 1967 L1.451
Beets, Herhicide residues, Pyrazon, Tolerances.

14651-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES. Fed Begist 33(66):5377
04 Apr 1968 L1.451
Dichloropropionabilide, 3,4-, Berhicide residues, Rice, Tolerances.

14652-68
NOTICE OF AMENDMENT OF PETITION REGARDING PESTICIDES.
Ped Begist 33(102):7700
24 May 1968 L1.451
Beans, Dichlorvos, Insecticide residnes, Peannts, Bice, Tolerances.

14653-68
TOLERANCES AND EXEMPTIONS FBOM TOLERANCES FOR PESTICIDE CHEMICALS IN OF ON BAW AGRICULTURAL COMMODITIES. EPN. Fed Regist 33 (99):7489
21 May 1568 L1.451
Epn, Insecticide residues, Soyheans, Tolerances.

55 14654-€8

14654-68
MCTICE CF FILING CF FETITION BEGARDING PESTICIDES.
Fed Eegist 33(99):7502
21 Eay 1968 L1.451
Dipheramid, Berbicide residues, Tolerances, Vegetables.

14655-68

NCTICE CF FILING CE PETITION REGARDING PESTICIDE CREMICAL.
Fed Regist 33(105):7850
29 May 1965 L1.451
Fruit, Ferbicide residues, Nuts, Tolerances, Trifluraliu.

14656-6E
NCTICE OF FILING OF PETITION REGARDING PESTICIDE CREMICALS.
Fed Begist 33(52):4593
15 Mar 1988 I1.451
Reaus, Dichlorvos, Insecticide residues, Peauuts, Rice,
Tolerauces.

14657-EE
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN 05 Ch EAN AGRICULTURAL COMMODITIES. S-PROPYL
DIFFCFYITERICCAREAMATE.
Fed Regist 33(49):4407
12 Mar 1968 L1.451
Herbicide residnes, Feanuts, Fropyl dipropylthiocarbamate, s-,
Soybeaus, Sweetpctatoes, Tolerances.

14658-6E
TOLERANCES AND EXPRETIONS FROM TOLERANCES FOR FESTICIDE CREMICALS IN CB CN BAW AGRICULTURAL COMMODITIES.
FROSFFAFILCE.
Ped Regist 33 (49):4407
12 Mar 1568 L1.451
Tusecticide residnes, Phosphamidou, Tolerauces.

14659-EE
MOTICE CP WITEDERWAL OF PETITION REGARDING PESTICIDES.
Fed Begist 33(62):5174
29 Mar 1966 11.451
Apples, Insecticide residues, Tetrasul, Tolerances.

14660-66
MCTICF OF FILING OF FETITION REGARDING PESTICIDE CREMICALS.
Fed Regist 33 (62):5174
29 Mar 1966 L1.451
Dipherarid, Herricide residues, Pesticide analysis, Potatoes, Tolerances.

14661-6E
NOTICE OF WITHDEAWAL OF PETITION BEGARDING PESTICIDES.
Fed Begist 33 (62):5173
29 Mar 1968 L1.451
Apples, Chipman EF-11974, Cottouseed, Grapes,
Insecticide residues, Pears, Potatoes, Tolerauces.

14662-6E
MOTICE OF FILLING OF FETITION REGARDING PESTICIDE CREMICALS.
Fed Begist 33(64):5273
02 Apr 196E L1.451
Iusecticide residues, Malathion, Pesticide aualysis, Sorghum,

14663-6E

NCTICE OF FILING OF PETITION BEGARDING PESTICIDE CHEMICALS.
Fed Begist 33(64):5273

02 Apr 1968 L1.451

Berbicides, Festicide analysis, Pesticide residues, Soybeans, Tolerances.

14664-6E
NOTICE CP WITEDBAWAL OF PETITION BEGARDING PESTICIDES.
Fed Begist 33(31):2961-2962
14 Feb 1968 L1.451
Cottonseed, Insecticide residues, Temik, Tolerances.

14665-68
NOTICE OF WITHDHAWAL OF PETITICN REGARDING PESTICIDES.
Fed Regist 33(29):2884
10 Feb 1568 L1.851
Agricultural products, Binapacryl, Food contamination,
Insecticide residues, Tolerances.

14666-68

TCLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN CE CN BAN AGRICULTURAL COMMODITIES.

O,O-DIMETRYL S-(4-0x0-1,2,3-BERZOTRIAZIN-3(4B)-YLHETRYL)
FROSF HOBODIT BLOATF.
Fed Regist 33(34):33111
17 Feb 1968 L1.451

Aziuphosmethyl, Insecticide residnes, Tolerances.

14667-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR CN SAN AGRICULTURAL COMMODITIES.
2,2-DICHLOROVINYL CIMETHYL PROSPRATE.
Ped Regist 33 (34):3112
17 Peb 1968 L1.451
Insecticide residues, Waled, Tolerances, Tomatoes.

14668-68
POOD ADDITIVES PERMITTED IN PEED AND DEINKING WATER CP
ANNHALS OR FCR THE TREATHERT OF FCOD-PRODUCING ANNHALS.
O,O-DIMETRIL S-(4-OXO-1,2,3-BENZOTRIAZIN-3(4E)-YLMETRIL)
PROSPHORODITRIOATE.
Ped Regist 33(34):3112
17 Feb 1968 L1.451
Aziuphosmethyl, Cattle, Goats, Iusecticide residues, Sheep,
Sugarcane, Tolerances.

14669-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CREMICALS.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Cucurbitaceae, Berbicide residues, Tolerauces, Trifluraliu.

14670-68
MOTICE OF PILING OF PETITION BEGARDING PESTICIDE CHEMICALS.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Dimethyl S-phthalimidomethyl phosphorodithioate, 0,0-,
Iusecticide residues, Tolerances.

14671-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CREMICALS.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Fungicides, Peaunts, Pesticide residues, Tolerauces,
Triphenyltin hydroxide.

14672-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Butory polypropyleue glycol, lusecticide residues, Heat, Hilk, Tolerauces.

14673-68
MOTICE OF WITEDRAWAL OF PETITION BEGARDING PESTICIDES.
Fed Regist 33(40):3444
28 Feb 1968 L1.451
Agricultural products,
Bis-(2,4-dichloropheuoxyethyl) phosphite, Berbicide residues,
Tolerances, Tris-(2,4-dichloropheuoxyethyl) phosphite.
Mixture of chemicals

14674-68
ROTICE OF WITHDEAWAL OF PETITION REGARDING PESTICIDE CREMICALS.
Fed Regist 33(54):47C1
19 Mar 1968 L1.451
Chloro-E-isopropylacetauilide, 2-, Berbicide residues, Metabolites, Soybeans, Tolerauces.

14675-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CREMICALS IR OR ON HAW AGRICULTURAL COMMODITIES. O-ETRYL S-PRENYL ETRYLPROSPRORODITRIOATE.
Fed Regist 32 (169): 12604
31 Aug 1967 L1.451
Ethyl S-phenyl ethylphosphonodithioate, O-, Insecticide residues, Tolerances.

14676-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(24):2575
03 Feb 1968 L1.451
Insecticide residues, Phorate, Potatoes, Tolerauces.

ROTICE OF FILING OF PETITION BEGARDING PESTICIDES. Fed Regist 33(24):2575 03 Feb 1968 L1.451 Fruit, Fungicide residues, Streptomyciu, Tolerauces.

14678-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(24):2575
03 Feb 196B L1.451
Diazivou, Insecticide residnes, Tolerances.

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14679-6E
FEOFOSED BEDUCTION OF TOLERANCES IN OR ON RAW AGRICULTORAL
CCMPCLITIES.
Ped Regist 33 (28):2787-2788
09 Fet 1968 L1.451
Agricultural Frodnots, Ddt, Insecticide residnes, Tolerances.

14660-68
NCTICE OF WITHERAWAL OF PETITION REGARDING PESTICIDES.
Fed Begist 32(162):12067
22 Aug 1967 L1.451
Difolatan, Fungicide residnes, Tolerances.

146E1-6E
NCTICE CE FILING CE FETITION REGARDING PESTICIDES.
Fed Eegist 52(152):11448-11449
08 Aug 1967 I1.451
Enngicide residnes, Maneb, Tolerances, Zineb.

NCTICE CE FILING CE FETITION BECABDING PESTICIDES.
Fed Begist 32(152):11448
08 Ang 1967 L1.451
Cynodon dactylon, Dinron, Berbicide residues, Tolerances.
14683-68
NCTICE CE FILING CE PETITION FOR EOCO ADDITIVES.

NCTICE OF FILING OF PETITION FOR EOCH ADDITIVES.
Fed Regist 32 (155):11650-11651
11 Aug 1967 Ll. 451
Azinphosmethyl, Irsecticide residues, Soybeans, Tolerances.
14684-68

NCTICE CE FILING CE FETITION BEGAEDING PESTICIDES.
Fed Begist 32(159):11896
17 Ang 1967 L1.451
Beets, Berticide residues, FroEyl butylethylthiocarbamate, s-,
Tolerances, Tomatces.

14665-66
NCTICE CF FILING CF FFTITICN FEGABLING PFSTICIDES.
Fed Fegist 52(138):10615
19 Jnl 1567 I1.451
Cblcrc-b,N-diallylacetamide, alpha-, Crops, Berbicides,
Festicide residues, Tolerances.

14666-68
NOTICE OF ESTABLISEMENT OF TEMPCHARY TOLERANCE.
Fed Begist 32(138):10615
19 Jul 1967 II.451
AFFLES, Butyl-4,6-dimitrophenyl isofropyl carbonate, 2-sec-,
Dimitrobutylphenol, Insecticide residnes, Metabolites, Pears,
Tolerances.

14687-68
NOTICE OF ESTABLISHMENT OF TEMPCEABY TOLEBANCE.
Fed Eegist 32(146):11091
29 Jul 1967 L1.451
Herbicide residues, Sugarcane, Tolerances, Triflnralin.

14668-66
DDT; FSTABLISHENT OF PESTICIDE AND FOOD ADDITIVE TCLEFANCES.
Fed Begist 32(147):11157
O1 Aug 1967 Ll.451
Ddt, Fors, Insecticide residues, Tolerances.

14689-68
TOLFBANCES AND EXEMETIONS FROM TOLERANCES FOR PESTICIDE CERMICALS IN CE ON FAW AGETCELTORAL COMMODITIES.

1,1-BIS (F-CELCECEFENYL) -2,2,2-TEICHLOBORTEANOL.
Fed Regist 32 (149):11263-11264
03 Aug 1967 L1.451
Dicofol, Bay, Insecticide residues, Tolerances.

14690-68
NCTICF OF FILING OF PFTITION BEGALDING PESTICIDES.
Fed Eegist 32(151):11389-11390
05 Aug 1967 L1.451
Atrazine, Eerticide residues, Tolerances.

14691-68
NCTICE CF FILING CF FETITION EFGARDING PESTICIDES.
Fed Eggist 32(152):11449
08 Aug 1967 L1.451
Ccrn, Ethyl diischntylthiocarbamate, S-, Berbicide residnes, Tolerances.

14692-68

NOTICE OF FILING OF FFTITION REGARDING FESTICIDES.
Fed Regist 32(152):11449
08 Aug 1967 L1.451
Dichlorvos, Insecticide residues, Tolerances, Tomatoes.

14693-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING FESTICIDE CHEMICALS.
Fed Regist 33 (55):4751
20 Mar 1968 L1.451
Amino-3,5,6-trichloropicolinic acid, Herbicide residues, Tolerances.

14694-68
MOTICE OF WITHDRAWAL OF PETITIONS FOR PESTICIDE AND FOOD ADDITIVE MAKER (MANGANESE ETRILENERISDITHIOCABRAMATE).
Fed Regist 246 (32):20669-20670
21 Dec 1967 L1.451
Feed additives, Fungicide residnes, Grain, Maneb, Tolerances.

14695-68
NOTICE OF FILING OF FETITION REGARDING PESTICIDE CREMICALS.
Fed Regist 246(32):20669
21 Dec 1967 I1.451
Dinron, Ray, Berbicide residues, Nnts, Tolerances.

14696-68
NOTICE OF WITEDEAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 246(32):20669
21 Dec 1967 L1.451
Reets, Berbicide residnes, Fyrazon, Sugar beets, Tolerances.

14697-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 246(32):20669
21 Dec 1967 L1.451
Dimethoate, Insecticide residues, Lemons, Oranges, Tolerances.

14698-68
NOTICE OF FILING OF FETITION REGARDING FESTICIDES.
Fed Begist 32(205):14670-14671
21 Oct 1967 L1.451
Alfalfa, Cattle, Endosnlfan, Insecticide residnes, Tolerances.

14699-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Begist 32(219):15647
10 Nov 1967 L1.451
Dodine, Fungicide residnes, Peannts, Pecans, Tolerances, Walnuts.

14700-68
NOTICE OF FILING OF FETITION BEGARDING PESTICIDES.
Fed Regist 32(219):15647
10 Nov 1967 L1.451
Gibberellic acid, Festicide residues, Plant regulators,

14701-68
NOTICE OF PILING OF PETITICN REGARDING PESTICIDES.
Fed Regist 32(219):15647
10 Nov 1967 L1.451
Renzamidooxyacetic acid, Herbicide residnes, Sngar beets, Tolerances.

14702-68
NOTICE OF FILING OF FETITION BEGARDING FESTICIDES.
FEG Begist 32(221):15721
15 Nov 1967 L1.451
Corn, Herbicide residnes, Tolerances,
Trichlorobenzyl chloride.

14703-68
NOTICE OF FILING OF FETITION BEGARDING PESTICIDES.
Fed Regist 32(223):15848
17 Nov 1967 L1.451
Insecticide residnes, Mirex, Tolerances.

14704-68
NOTICE OF FILING OF PETITION BEGARDING PESTICIDES.
Ped Regist 32(223):15849
17 Nov 1967 L1.451
Fungicide residues, Metabolites, Tolerances.

14705-68
MOTICE OF FILING OF FETITION BEGARDING FESTICIDES.
Fed Begist 32(232):16507
01 Dec 1967 L1.451
Amino-3,5,6-trichloropicolinic acid, 4-, Barley, Grasses,

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Berlicide residnes, Cats, Snoarcane, Tolerances, Wheat.

14706-66
NCTICE OF FILING OF FETITION BEGARDING PESTICIDES.
Fed Begist 33(5):306
09 Jan 196B L1.451
Chirman BF-11974, Cottonseed, Pruit, Insecticide residnes,
Fotatces, Tolerances.

14707-68
NOTICE OF FILING OF FETITION REGARDING PESTICIDES.
Fed Begist 33(5):306
09 Jar 1966 L1.451
Berlicide residues, Tolerances, Trifluralin.

14708-EE
NCTICE OF FILLEG OF PETITION BEGARDING PESTICIDES.
Fed Begist 33(5):307
09 Jan 1966 L1.451
Barley, Corn, Dicamba, Herhicide residnes, Metaholites, Oats, Tolerances, Wheat.

14709-68
NCTICE CP FILING CF FETITION BEGABDING PESTICIDES.
Fed Regist 33(11):598
17 Jan 1968 L1.451
Chlorchenzilate, Ccttonseed, Insecticide residues, Tolerances, Walnuts.

14710-68
NOTICE OF FILING OF PETITION BEGAEDING PESTICIDES.
Fed Begist 33(11):598
17 Jan 1566 L1.451
Bananas, Fungicides, Festicide residnes,
Thiazolyl)-benzimidizole, 2-(4-, Tolerances.

14711-68

NCTICE OF FILING OF PETITION BEGARDING PESTICIDES.
Fed Eegist 33(12):650
18 Jan 1968 L1.451
Celery, Insecticide residues, Methoxychlor, Potatoes.

14712-66
NOTICE OF FILING OF PETITION BECARDING PESTICIDES.
Fed Regist 33(12):651
16 Jan 1968 L1.451
Insecticide residues,
Methyl B-((methylcarbamoyl)oxy)thioacetimidate, S-,
Tolerances.

14713-68
NOTICE OF FILING OF PETITION BEGARDING PESTICIDES. Fed Regist 33(12):651
18 Jan 1966 L1.451
Insecticide residnes, Heat, Hilk,
Octylbicyclcheptenedicarhoximide, N-, Tolerances.

14714-68
NOTICE OF PILING OF PETITION BEGARDING PESTICIDE CHEMICALS.
Fed Begist 33(71):5635
11 Apr 1968 L1.451
Disnifoton, Insecticide residues, Tolerances, Wheat.

14715-68
NOTICE OF FILING OF PETITION BEGAEDING PESTICIDES.
Fed Begist 33(20):1214
30 Jan 1986 L1.451
Insecticide residnes, Heat, Hilk, Pyrethrnm, Tolerances.

14716-68
NOTICE OF PILING OF PETITION EFGABLING PESTICIDES.
Fed Regist 33(20):1214
30 Jan 1988 L1.451
Herhicide residnes, Isopropyl N-(3-chlorophenyl)carhamate,
Tolerances.

14717-68
MOTICE OF FILING OF FETITION EFGARDING PESTICIDES.
Fed Eegist 32 (174):12868
08 Ser 1967 L1.451
Demeton, Insecticide residnes, Tolerances.

14718-68
BOTICE OF PILIES OF PETITION REGARDING PESTICIDES.
Fed Regist 32(176):12961
12 Sep 1967 L1.451
Insecticide residnes, Malathion.

14719-68
NOTICE OF FILING OF FETITION BEGARDING PESTICIDES.
Fed Regist 32(176):12961-12962
12 Sep 1567 L1.451
Herbicide residues, Feannts, Potatoes,
Propyl dipropylthiocarhamate, s-, Soybeans, Tolerances.

14720-68
NOTICE OF PILING OF PETITION BEGARDING PESTICIDES.
Fed Regist 32(182):13299
20 Sep 1967 L1.451
Cottonseed, Insecticide residues, Temik, Tolerances.

14721-68
NOTICE OF PILING OF PETITION BEGARDING PESTICIDES.
Fed Begist 32(185):13424
23 Sep 1967 L1.451
Ethylamino)-4- (isopropylamino)-6- (methylthio)-s-triazine, 2-,
Herhicide residnes, Tolerances.

14722-68
NOTICE OF FILING OF FETITION BEGARDING PESTICIDES.
Fed Regist 32(186):13466
26 Sep 1967 L1.451
Insecticide residnes, Tolerances, Trichlorfon.

14723-68
NOTICE OF PILING OF PETITION BEGARDING PESTICIDES.
Ped Begist 32(187):13543
27 Sep 1967 L1.451
Epn, Insecticide residues, Soybeans, Tolerances.

14724-68
NOTICE OF FILING OF PETITION EEGARDING PESTICIDES.
Fed Regist 32(190):13734
30 Sep 1967 L1.451
Chloro-N-isofropylacetanilide, 2-, Berhicide residnes,
Metabolites, Soyheans, Tolerances.

14725-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(206):14698
24 Oct 1967 L1.451
Ethyl dipropylthiocarhamate, S, Berhicide residnes.

14726-68
NOTICE OF PILING OF PETITION BEGARDING PESTICIDES.
Ped Begist 32 (207):14791
25 Oct 1967 L1.451
GS-13005, Insecticide residnes, Tolerances.

14727-68
NOTICE OP PILING OF PETITION BEGARDIRG PESTICIDES.
Ped Begist 32(202):14407
18 Oct 1967 L1.451
Herhicide residues, Metohromuron, Potatoes, Tolerances.

14728-68
NOTICE OF WITEDBAWAL OF PETITION BEGARDING PESTICIDES.
Ped Begist 32(221):15721
15 Nov 1967 L1.451
Citrus, Fungicide residues, Maneb, Tolerances.

14729-68
NOTICE OF WITHDEAWAL OF PETITION REGARDING PESTICIDES.
Ped Regist 32(232):16508
Ol Dec 1967 L1.451
Azodrin, Insecticide residnes, Soyheans, Tolerances.

14730-68
NOTICE OF WITSDEAWAL OF PETITION REGARDING PESTICIDES.
Ped Regist 32(233):16539
02 Dec 1967 L1.451
Pungicide residnes, Tetrachloroisophthalonitrile, Tolerances.

14731-68
NOTICE OF WITEDBAWAL OF PETITION BEGARDING PESTICIDES.
Ped Regist 32(233):16539
O2 Dec 1967 L1.451
Dichlorallyl diisopropylthiocarbamate, S-2,3-,
Bernicide residnes, Tolerances.

14732-68
NOTICE OF WITHDRAWAL OF PETITIOR BEGARDING PESTICIDES. Fed Regist 32 (233):16539
02 Dec 1967 L1.451
Chloro-M,N-diallylacetamide, alpha-, Berhicide residues, Tolerances.

14733-66
NCTICF CF WITEDRAWAL OF PETITICN BEGARDING PESTICIDES.
Fed Begist 33(5):307
09 Jau 1968 L1.451
CCID, Berticide residues, Tolerances,
Trichlorotenzyl chloride.

14734-66
NOTICE CE MITEREAMAL OE PETITICE REGARDING PESTICIDES.
Fed Begist 33(5):506-307
09 Jan 1966 L1.451
Dichlerepropionabilide, 3:,4:, Herbicide residues, Rice, Tolerances.

14735-66
NOTICE CE WITHERAWAL OF PETITION REGARDING PESTICIDES. Fed Begist 33(75):5896
17 Apr 1968 L1.451
Erccophenyl)-N:-methyl-N:-methoxyurea, N-(p-, Rerbicide residues, Ectatoes, Telerances.

4736-66
NCTICE CE WITHDEANAL OF PETITION REGARDING PESTICIDES.
Eed Begist 33(79):6190
23 Apr 1568 L1.451
Fenzamidocryacetic acid, Rerhicide residues, Sugar beets.

14737-6E
NOTICE CF WITEDRAWAL OF PETITION REGAEDING PESTICIDES.
Eed Eegist 33(2):E4
04 Jan 196E L1.451
Cotton, Cottonseed, Defoliants, Endothal, Berbicide residues,
Tolerances.

4738-66 FEDFOSED REDUCTION IN TOLERANCF IN CE ON BANANAS. Eed Fegist 33(85):6880-6881 07 May 1968 L1.451 Eananas, Eiurco, Herticide residues, Nots, Tolerances.

14739-66
TOLERANCES AND EXERPTIONS FROM TOLERANCES FOR PESTICIDE CREMICAIS IN C6 CN FAW AGRICULTURAL COMMODITIES. N-BUTYL-N-FIBYL-ALFEA, ALFRA-AFFILUOBO-2,6-DINITEO-P-TOLUIDINE. Fed Ecgist 32(192):13807
04 Oct 1967 L1.451
Alfalfa, Eirdsfoct trefoil,
Eutyl-N-ethyl-alfha-trifluoro-2,6-dinitro-p-tolnidine, N-,
Clover, Herricide residues, Peauuts, Tolerances.

4740-68
NOTICE OF WITHERAWAL OF PETITION REGARDING PESTICIDES.
Eed Regist 32(185):13423-13424
23 Sep 1967 L1.451
Chlorc-2-nitrogropane, 1-, Fungicide residnes, Tolerances.

14741-68
NOTICE OF WITEDEAWAL OF PETITICES FOR PESTICIDE CHEMICAL AND FCCD ADEITIVE NICKEL SDLEATE.
Fed Regist 32 (202): 14407
18 Cct 1967 11.451
Euugicide residues, Nickel sulfate, Tolerauces.

N742-68
NOTICE CE WITEDBAWAL OE PETITIONS FOR PESTICIDE CHEMICAL AND FCCE ARLITIVE.
Fed Begist 33 (86):6753
02 May 1968 L1-451
Azinghosethyl, Cottonseed, Food additives,
Insecticide residues, Potatces, Soyleans, Tolerauces.

14743-66
NCTICF CE WITEDBAWAL OF PETITION EOB FOOD ADDITIVES.
Fed Regist 53(71):5635
11 Apr 1968 11.451
Azinphosmethyl, Food additives, Insecticide residues,
Soybean oil, Tolerances.

4744-68
NOTICE CE FILING CE FETITION DEGARDING PESTICIDES.
FED REGIST 33(12):651
18 Jan 1966 L1.451
D, 2,4-, Rerbicide residnes, Tolerances.

14745-68
TCLFRANCES AND EXFMFTIONS FECH TOLEBANCES EOB FESTICIDE
CHERICAIS IN CE CN BAW AGRICULTURAL COMMODITIES. N-BUTYLN-EIRYL-ALFHA, ALFHA, ALFHA-TBIFLUOBO-2,6-DINITRO-F-TOLUIDINE.
Fed Regist 32 (235):17472
06 Dec 1967 1.1.451

Alfalfa, Birdsfoot trefoil, Butyl-N-ethyl-alpha-trifluoro-2,6-dinitro-p-tolnidiue, N-, Clover, Herbicide residues, Lettuce, Peanuts, Tolerances.

14746-68
CIS-2,3,5,5,5-PENTACHLORO-4-KETOPENTENOIC ACID; NOTICE OF ESTABLISHMENT OF TEMPCHARY TOLERANCE.
Eed Regist 32(179):1314E
15 Sep 1967 L1.451
Cottonseed, Defoliants,
Peutachloro-4-ketopentenoic acid, cis-2,3,5,5,5-,
Pesticide residues, Tolerances.

14747-68
MOTICE OF FILING OE PETITION FOR FOOD ADDITIVES.
Eed Regist 33(71):5635
11 Apr 1968 L1.451
Cattle, Dimethoate, Feed, Food additives,
Iusecticide residues, Tolerances.

14748-68
NOTICE OF FILING OF PESTICIDE AND FOOD ADDITIVE FETITIONS. Fed Regist 32(223):15849
17 Nov 1967 L1.451
Aziuphosethyl, Cottonseed, Insecticide residnes, Fotatoes, Soybeans, Tolerauces.

14749-68
NOTICE OE FILING OF FETITION BEGARDING PESTICIDE CHEMICAL.
Fed Begist 33(89):6890
07 May 1968 L1.451
Rerbicide residues, Sngarcaue, Tolerances, Trifluralin.

14750-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Eed Regist 32 (203):14568-14569
19 Oct 1967 L1.451
Insecticide residues, Potatoes, Temik, Tolerances.

14751-68

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON BAW AGRICULIDRAL COMMODITIES.
2-CRLORO-N-ISOPROPYLACETANILIDE.
Ped Regist 32(210):14944
28 oct 1967 L1.451
Chloro-N-isopropylacetauilide, 2-, Coru, Herbicide residnes, Sorghum, Tolerances.

14752-60
TOLERANCES AND EXEMPTIONS FROM TOLFRANCES FOR PESTICIDE CEEMICALS IN OB ON BAN AGRICULTURAL COMMODITIES. 0,0DIETRYL S-2-(ETHYLTHIO)ETHYL PROSPHORODITHIOATE.
Eed Regist 32(193):13863
05 Oct 1967 11.451
Coffee, Corn, Demeton, Disnlfoton, Insecticide residues,
Sugarcane, Tolerauces.

14753-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES EOR FESTICIDE CREMICALS IN OB CN RAW AGRICULTURAL COMMODITIES.
O,O-DIPTHYL O- (2-ISOFROPYL-4-METRYL-6-PYRIMIDINYL)
PROSPROROTHIOATE.
Ped Regist 32(233):16529
02 Dec 1967 L1.451
Diaziuon, Iusecticide residues, Tolerances.

60 TOXICOLOGY

14754-68
INTERACTION OF DDT AND THE CASTFOINTESTINAL MICHOPLOBA OF THE FAT.

B C Fraunterg V Beck
J Agr Food Chem 16 (3):451-453
May 1568 381 J8223
Bacteria, DDT, Feces, Gastrointestinal system, Metabolites, Fats.

4755-66
FOISCBING GULLS WITE ALPHA-CRLORALOSE NEAR A NEW ZEALAND ALBETTELL.
T A Caithness
J Wildlife Banage 32(2):279-286
Apr 1568 410 J827
Aircraft, Eird control, Chloralose, Galls.

1756-66

AARCCTIC ANI TOXIC ACTION CE ORGANIC COMPCUBDS ON
EARNACLE LABVAE.

D J Crist A C Christie A E A Ghcbashy
Ccmpar Eicchem Physiol 22(3):629-649 REF
Sep 1567 444.6 C73
Earnacles, Karcctics, Organic ccmponnds, Toxicity.
Abetract

14757-EE
TEMIR-S35 METABCLISM IN A LACTATING COW.
W 8 Dorough G w Ivie
J Agr Ecod Chem 16 (3):460-464
Hay 1968 361 J8223
Cattle, Ecces, Metaholites, Milk, Temik, Urine.

SECONDABY FOISCHING ASSOCIATED WITH ANTICOAGULANI-RILLED NUTBIA.

J Evars A I Ward

Amer Vet Med Ass J 151(7):856-861 BEF

Ol Cct 1967 41.6 Am3

Anticcagniants, Dogs, Meat, Minks, Nutria, Poisoning.

Abstract: Secondary poisoning resulted when meat from anticcagniant-killed nutria was fed to commercial mink and mongrel dogs. This cocntred with both the coumarin and indandicne anticoagulants; the commarin group was represented by 3-(11-(p-chlorphenyl)-propyl)-4-oxyconmarin, and a warfarin and snlfagninoxaline preparation. The indandione group by diphacincne, pindone, and 2-isovaleryl-1,3-indandione calcinm salt. Mink and dogs died directly from eating the meat, and a mink and 2 dogs died from hemorrhage when blood samples were taken. Pioassay showed that the ciscon accumulated in the livers of ontria killed with the cxyccumarin. The demand for nutria as mink and pet food rules out use of these rodenticides for nutria control.

14759-66
SELECTIVE SYNERGISH OF CARRAMATE INSECTICIDES ON HOUSEFLIES
BY ARYLCXYALKYLAMINES.
B A Eabuy E T Gordon
J Econ Entorol 58(3):451-455, RIRL. 455, TARS.
Jun 1965 421 J022
Aryloxyalkylamines, Carbamates, Insecticide synergists,
Musca domestica.

14760-6E

ASFIBIN FCISCHING IN THE CAT.

J D Rerrgesell

Amer Vet Med Ass J 151(4):452-455 REP

15 Ang 1967 41.E AB3

Acetylsalicylic acid, Cats, Gastritis, Repatitis, Poisoning.

Abstract: A clinical case of aspirin pcisoning in the cat
is described; the cutstanding clinical signs being hyperpnea, hyperpyreria, depression, and death. This syndrome
was experimentally induced in 3 cats, at doses of 5 gr.

h.i.d. Fathologic lesions of toric hepatitis and gastritis
were found in all 4 cats.

14761-68
AN ATTEMPT TO PRODUCE CRROWIC NITRITE TOXICOSIS IN SWIME. W T London W Bendersch R F Cross
Amer Vet Med Ass J 150(4):398-402 REF
15 Feb 1967 41.8 AM3
Blood analysis, Methemoglohinemia, Nitrites, Poisoning,
Potassinm nitrite, Swime.
Abstract: Potassinm nitrite was administered orally to pigs
to determine the toxic and lethal levels and to measure the
methemoglobin response, and other pigs were given smhlethal
levels to determine the effects of prolonged intake. Pigs
given single oral dose ranging from 12.2 to 19.8 mg. per
kilogram of hody weight developed clinical methemoglobin
nemia. Pigs given 21.3 mg./kg. or more died. Death
occurred when the methemoglobin level reached 76 to 82
percent. Prolonged smblethal intake had little effect on
average daily gain or feed conversion. Remoglobin, packed
cell volnmes, and total lenkocyte counts gradually increased. Sernm vitamin A and E levels became lower, but
neither clinical signs nor lesions were produced. Growing
pigs can tolerate high levels of nitrite over a long
period without serions effects.

18762-68
THE SAFE USE OF PESTICIDES.
L Lykken
Agr Chem 22(9):35-36
Sep 1967 381 AG8
Accident prevention, Festicides, Poisoning.

14763-68
THE INPLUENCE OF DIET ON TOXICITY OF TRE ANTIOXIDANT
1,2-DIRYDRO-6-ETROXY-2,2,4-TRIMETRYLQUINOLINE.
R E March J Riely V Coates
Can J Physiol Pharmacol 46(2):145-149 REP
Mar 1968 444.8 C16
Antioxidants, Chicks, Diet,
Ethoxy-1,2-dihydro-2,2,4-trimethylgninoline, 6-,
Feed additives, Proteins.
English and french abstracts
Abstract: Toxicity to chicks of 1,2-dihydro-6-ethoxy-2,2,4-trimethylguinoline (EQ) was significantly greater when
the diet was low in protein. When fat snpplementation of
the diet enhanced EQ toxicity the effect appeared to result from an increase in the energy: protein ratio of the
diet rather than from the fat itself. The concentration of
EQ in the livers of chicks fed 0.25 percent EQ for 6
weeks was significantly higher when the dietary level of
protein was 17 percent than when the level was 23 percent.

14764-68
FLOOROSIS IN A HERD OF CATTLE IN KENYA.
H Murray
RD11 Epizoot Dis Afr 15(3):259-262
Sep 1967 41.8 R872
Cattle, Fluorosis, Poisoning.

14765-68
ETHYLENE GLYCOL POISONING IN POULTRY.
C Riddell S W Nielsen E J Kersting
Amer Vet Med Ass J 150(12):1531-1535 REF
15 Jun 1967 41.8 AM3
Calcinm oxalate, Chickens, Ethylene glycol, Geese, Poisoning.
Abstract: A field case of suspected ethylene glycol poisoning in geese is described in which the principal lesions were calcinm oxalate crystals in renal tubnles and walls of cerebral vessels. Chickens were experimentally exposed to EG in drinking water. All birds given 25.0 ml./L. or more had renal oxalosis. Birds on continuons lower levels for 2 weeks were not affected clinically, but some had calcium oxalate crystals in the renal tubules.

14766-68
CREMOSTERILANT PROPERTIES, CYTOTOXICITY, AND MAMMALIAN TOXICITY OF APROLATE AND OTRER P-N BIRG CHEMICALS.
S Ristich R H Ratcliffe D Perlman
J Econ Entomol 58(5):929-932
Oct 1965 421 JB22
Apholate, Chemosterilants, Mammals, Mice, Musca domestica, Toxicity.

4767-68
CRLORDANE AS A POSSIRLE TOXIC RAZAND IN REEKEEPING.
W A Stephen E Rodgson
J Econ Entomol 55(3):409
Jun 1962 421 J822
Apicnlture, Rees, Peeswax, Chlordane, Toxicology.

14758-66

14768-68 FOCE ACTITIVES FEFHITIED IN FOCE FOR RUHAN CONSUMPTION. OXYMETRACICINE, CARECUTCIN. Fed Regist 33(2):73 04 Jar 1566 L1.451 Carboycin, Chickens, Food additives, Oxytetracycliue, Respiratory diseases, Tolerances.

TEMFORARY ADSCRIPTION ON A SUBSIFIATE OF AN OIL-SPILL BEMOVER (DETERGENT); TESTS WITH LARVAF OE SARELLARIA SPINULOSA. D F Wilson Bar Riol Ass UK J 48(1):183-186 Feb 1566 442.5 B331

Aguatic animals, Detergeuts, Larvae, Toxius.

A770-68

FEOFEBTIES OF TOXIC PESCUF EXTRACTS. (ABSTBAC1).

5 J Yau D E Jacobson

J Dairy Sci 51(4):625

Apr 1966 44.6 J822

Acids, Animal physiology, Chromatography, Pestuca,
Poisonous plauts, Rats.

Abstract of paper presented at the American Dairy Science
Association Scuthern Divisior annual meeting, Louisville, Eet. 5-7, 1968

65 PLANT PHYSIOLOGY AND BIOCHEMISTRY

14771-68

THE EFFECT OF WILTING ON REDOX POTENTIAL OF CEREAL LEAVES.
J Benada
Biol Plaut 9 (6):447-453
1967 450 B52
Fungus diseases (plauts), Grain, Leaves,
Oxidatiou-reduction pcteutial, Plaut disease resistance,
Plaut water relatious.
Abstract: The redox potential of wilted leaves of cereal
seedlings grown in a greenhouse was higher than in fresh
leaves. The cause of the change redox potential is discussed in connection with the outogeny of cereals and resistance against obligate parasites.

14772-68
PHODUCTION OF AFLATOXINS B1 AND G1 IN CREMICALLY DEFINED BEDIUM.
N D Davis U L Dieuer V P Aguibotri
Bycopathol Nycol Appl 31(3-4):251-256
28 Apr 1967 450 B994
Aflatoxiu, Aspergillus flavus, Culture media.

14773-68

METROD OF CONTBOLLING PLANT GROWTR. PATENT 3,375,096.

T A Girard
Us Patent Office Offic Gaz 848(4):1022
26 Mar 1968 156.65 OP2
Chloriuated hydrocarbous, Pateuts, Plaut growth iuhibitors.

DEPENDENCE OF LONGITUDINAL GROWTH OF THE HYPOCOTYLS CF LACTUCA SATIVA L. CM TRE LEVEL OF EXOGENOUS GIBBEHELLIN GA3 AND ON TRE TYPF OF ILLUMINATION. J Bradilik Biol Plaut 9 (5): 368-371 1967 450 852 Pluoresceut lamps, Gilherellic acid, Lettuce, Light, Plaut physiology.

14775-68
EFFFCTS OF DIBECT CONTACT OF PINE SEEDS OR YOUNG SEEDLINGS
WITH CCHREFCIAL FORMULATIONS, ACTIVE INGREDIENTS, OR INERT
INGREDIENTS OF TRIAZINE REHBICIDES.
IT KOZIOWSKI S Sasaki
Can J Plaut Sci 48(1):1-7 REP
Jau 1968 450 C16
Atraziue, Berhicides, Piuus resinosa, Propaziue, Seedliugs,
Seeds, Simaziue, Tree iujuries, Triazines.
Abstract

18776-68
TRE GROWTH OF VARHOUS FILAMENTOUS FUNGI AND YEASTS ON B-ALKANES AND KETONES. I. STUDIES ON SUBSTRATE SPECIFICITY.
C F Lowery J W Foster P Jurtshuk Arch Mikrohiol 60(3):246-254 HEF O9 Jau 1968 442.8 AR26 Culture media, Pungi, Ketoues, Paraffius, Plaut physiology. Abstract: Binety-five fungi were tested for their ahility to grow on liquid mineral media coutaing u-alkaues as sole source of carhon. Of 29 filamentous fungi tested, 18 were capahle of growing on u-alkaues. Of 66 yeasts ouly 11 erhibited this ahility, predominantly Caudida, Rhodotorula and Deharyomyces. Of the hydrocarhon utilizing filamentous fungi and yeasts, almost all were capable of growing on u-alkaues having a chain length of 10 carhou atoms or more. Only a few of the filamentous fungi to grew on the short chain u-alkaues. Of the 8 hydrocarhou utilizing yeasts examined, only 5 grew on a few ketones.

ablued, only 5 grew ou a few ketones.

4777-68

BETHOD FOR REGULATING PLANT GROWTH. PATENT 3,376,126.
W C RcCounell R W Rahu
US Patent Office Offic Gaz 849(1):165
02 Apr 1968 156.65 0F2

Pertilizers, Patents, Plant regulators, Plants,
Potassium azide, Soil hacteria, Soil microorganisms,
Soil sanitation.

65 14778-68

14778-66

EFFECT OF EDISTIIONAL EACTORS ON MYCELIAL GROWTH AND SPORDLATICE OF CANACIAN ISOLATES OF ASCOCRYTA INFERFECTA PECK.

B W Mead
Phytogathology 52(1):21
Jan 1562 464.6 p56
Alfalfa, Ascochyta imperfecta, Culture media, Fungi,
Flant nutrition, Spore germination.

14775-66
DEFCLIATION OF FLANTS. FATENT 3,378,364.
£ L Menville & F Carroll
US Fatert Cffice Cffic Gaz 849(3):768
16 Art. 1968 156 65 092

16 Arr 1968 156.65 OF2 Arsenic compounds, Cotton, Defoliation, Fatents, Soybeans.

14760-66
A MOCIFIED FEAN EOOT INIATION TEST FOR AUXINS AND INHIBITICSS.
F A Foarst A F Enrace S H Nelson
Can J Plant Sci 47(3):263-266 BFF
May 1567 450 C16
Beans, Ficlogical assay, Plant growth inhibitors,
Flant regulators, Tissues.
Abstract: Bemoval of tissues above the cotyledonary node
from leafy stem cottings of beans, after imbitition and
prior to retting in root initiation tests, increased the
sensitivity to growth inhibitors, and reduced the variation
in control plants. Besponse to anxin increased slightly to
small amounts and declined for larger amounts.

14761-66
EFFECT CF ENVIRONMENTAL CONFITIONS ON SCLEBOTIA AND CLEISTCHECIA FECIDICTION IN ASPERGILLUS.

J N Fai J F Tewari A K Sinha
Mycopathol Rycol Appl 31(3-4):209-224 BEP
28 Apr 1967 450 M954
Aspergillus, Culture media, Environment, Plant physiology.
Abstract: Clservations on the effect of certain environmental conditions viz. FB, light, temperature of incubation, cxygen-deficient conditions and various relative humidity values on sclerotia production by Aspergillus have been presented.

14762-66
CONTRIBUTION TO THE QUESTION OF DIBECT INPLUENCE OF ALPHA-NAFHTEALENTACETIC ACID ON INITIATION OF FRUIT BDDS ON APPLE THEES.
J Sabulka
Biol Flant 9(5):352-393
1967 450 F52
AFFLES, Naghthaleneacetic acid, Plant regulators, Thinning (fruit).

14783-66
TBE FEYSICLOGICAL BOLF OF BCGON IN FLANTS. (BDS)
H J Shkel'rik
Fot Zhur (Boscew) 52(2):259-275 BEF
Peb 1967 451 B923
Boron, Flant physiology.

PAFE CBBCMATCGBAFBIC ANALYSIS BY A NEW TEST METBOD OF FACTIFICIDAL SDBSTANCES IN PLANT EXTRACTS AND POSSIBLE BELATIORS (I BESE SDBSTANCES TO FLANT GROWTE INHIBITORS. (GE)

B Soding K Dorffling
Arch Mikrctiol 60(2):182-200 BEF
1968 442.8 A526
Acer psendoplatanns, Bactericides, Chromatography, Peas, Flant extracts, Flant growth inbihitors, Snnflowers.
English and german abstracts
Abstract: Chromatogram segments are inoculated with microtes, kept in a moist chamber for 1 day and then placed on agar medium. Growth of bacteria is stopped or retarded in the presence of bactericides. If Serratia marcescens is used as test organism, a retardation or missing of pink coloration is observed too. Ether extracts from bnds of Acer psendoplatanns, shoots of peas and snnflowers were chromatographed in iscripopanol/water/ammonia 80:15:5 and were tested by with Serratia marcescens, Psendomonas fluorescens and Aerobacter aerogenes. All contain hactericidal snbstances. Chromatograms contained substances inhibiting growth of Avena and germination of Lepidium. Synthetic D.L-alscisin II showed no hactericidal activity. Therefore, bactericidal substance in sycamore and pea cannot be identical with the growth and germination inhibitor at the same position.

70 CHEMISTRY

4785-68
GAS CHROMATOGRAPPIC DETERMINATION OF DIETHYL FDMABATE IN MALATBION EXTRACTS AND PEEPARATIONS DSED FOR CONTROL OF BODY LICE.
P Acree B B Turner H Beroza
J Econ Entomol 61(2):457-459
Apr 1568 421 J822
Chromatography, Diethyl fumarate, Electron capture, Malathion, Pedicalus hamanns hamanns.
Abstract

14786-68
POTENTIONETBIC DETERMINATION OF PROSPRINE.
B Berck
J Agr Pood Chem 16(3):415-418
May 1968 381 J8223
Pnmigants, Pesticide analysis, Phosphine, Potentiometry.

14787-68

SEPARATION OF APLATONIN ON SELECTIVELY DEACTIVATED SILICIC ACID.

E V Crisan E Mazznaca
Boyce Thompson Inst Contrib 23(11):361-365
Jul 1967 451 B69
Aflatoxin, Aspergillns flavus, Chromatography, Plant extracts, Silicic acid.
Abstract: Activated silicAR, Mallinckrodt type CC-4, permitted recovery of 87 percent of the aflatoxin B1 contained in a crnde extract. Methods of pnrifying the remaining aflatoxin G are also described.

14788-68
THE DETERMINATION OF FROSPROBDS DISTRIBUTION BY THIN LAYER CBECHATOGRAPHY. (GF)
B Petschik E Steger
J Chromatography 31(2):369-374 REF
Dec 1967 475 3824
Chromatography, Organophosphorus compounds.
English and german abstracts.
Abstract: The distribution of phosphorus on thin-layer chromatograms can be determined, although the recovery of phosphorus from undissolved layer material after mineralisation of organophosphorus compounds is incomplete. With test mixtures of alighatic phosphorus thioesters distribution values with a standard deviation of 1.2 percent (abs.) were found. Mineralisation was accomplished with a mixture of periodic and perchloric acid. Phosphorus was determined by the vanadate method.

14789-68
PETPARATION OF THE PEOTOISOMEDS OF ALDRIN AND DIELDRIN.
J D Bosen W F Carey
J Agr Pood Chem 16 (3):536-537
Hay 1968 381 J8223
Aldrin, Dieldrin, Isomers, Photochemistry.

14784-68

80 FNGINEERING

90 INDUSTRY Economics

14790-68
CABE AND BAINTENANCE OF THE CNE-GALLON STAINLESS STEEL SEBAYER.
W L Bream
Pest Contr 36(5):16,18,20
May 1566 449.6 EX8
Accident prevention, Insecticides, Maintenance,
Fest control operators, Spraying equipment.

4791-68
A TEMPERATURE CONTROLLED SHAKER FOR MICHOFIAL CULTURES.
E V Crisar
Boyce Thompson Inst Contril 23(11):379-380
Jul 1967 451 E69
Culture media, Eguirment, Fungi, Microbiology, Temperature.

14792-68
INFIDENCE OF NEAF-ULTRAVIOLET OUTFUT OF ATTRACTANT LAMES ON CATCHES OF INSECTS BY LIGHT TRAES.
J F Bollingsworth A W Bartstack O A Lindgnist
J Econ Entewel 61(2):515-521
Apr 1566 421 J822
Attractants, Relicthis zea, Insect collecting equipment,
Light traes, Trichorlusia bi, Oltraviolet rays.
Abstract

4793-68
A LIGET-WEIGHT CAGE TO CONFINE SMALL INSECT PRECATORS WITH THEIR FREY CN THE RCST FLANT.
E I Borsebrogh C Asquith
J Econ Enterol 61(2):572-573
Apr 1566 421 J622
Food plants, Insect cages, Fredaceous insects.

14794-66
ECUIPPENT AND ECOIPPENT ANALYSIS FOR ARTEROFOD CONTROL.
F A FAILED
Fla Anti-mossphito Ass Bep 38:64-67
07 May 1967 420 F663
Arthropoda, Egnipment, Insect control.

14795-68
DISTRIBUTION OF BELFASED JAFANESE BEFTLES IN A GBIO OF TBAFS.
F B Schwartz
J Econ Entoxol 61(2):423-426
Apr 1966 421 JE22
Insect dissemination, Insect traps, Fopillia japonica.
Abstract

14796-68
PESTICIDE CHEMICALS, THE MAGIC OF MODERN FARMING. P C Brinkley
Nat Agr Chem Ass News Pesticide Rev 26 (4):3-4
Apr 1968 421 AG8
Agricultural research, Pesticides.

14797-68
WHERE DO WE STAND NOW?.
L A Dowler
Aerial Appl 6(4):6-7
Apr 1968 333.8 AE8
Aerial spraying, Aircraft, Pest control operators,
Festicide application, Prices.

14798-68
RESPARCH ON FESTS AND THEIR CONTROL.
W C Shaw
Nat Agr Chem Ass News Pesticide Rev 26 (4):5
Apr 1968 421 AGB
Pest control.

Education

14799-68
PESTICIDES BANDBCOK PUBLISHED BY USDA.
ADDODYMODS
AETIAL APPL 5(5):8
Hay 1967 333.B AEB
Bandbooks, Pesticide application, Pesticides,
Safety education, Storage.



AEDES TAENIOHHINCHUS

(TBICBICBCPBENCRY, 2,4,5-) PROPIONIC ACID, 2- Detoxification of some berbicides by Streptomyces.	14464	ACYLATED UHBA COMPOUNDS Process of killing weeds employing acylated nrea derivatives. patent 3,342,586.	14471
ABAGBCIIS ALAMFFIA Iwo new species of noctuids (Legidoptera, Noctuidae, Noctuinae).	14049	ACTRIBOSIPBON FISUR Aggregation behavior of pea arbids, Acyrthosiphon pisum.	14268
APIES PALSABEA Bibernation site and dispersal of sprnce budworm larvae related to damage of sapling balsam fir.	as 14 156	Insect predators of mnumified pea aphids.	14280
ABIES GEAEDIS Cone insects of grand fir, Abies grandis (Donglas) Lindley, in Pritish Columbia.	14437	ACTRIBOSIPHON SOLABI Morphological and biological investigations of clones and field populations of the green-flecked potato aphid, Anlacorthorm solani Kltb 1843 senso latiore (Hemipt. Aphid.).	14232
APCHTICE Epizoctiology of brucellosis in a flock of sheep.	14533	ADELGES	14244
Besistarce of cattle to Brucella aborths following vaccination at two and three morths of age.	14541	Activity and control of woodland insects. ADENOSIBETHIPBOSPHATASE House-fly adenosinetriphosphatases and their inhibition limits to the second section of the second second second second second second second second sec	
AESOBFIION (EICICGICAL) The effect of gas velocity on the absorption of funigant nicotine by Musca domestica (L.).	14 186	insecticidal organotin compounds. AEDES New records for Aedes species in Manitoba.	14243
ACACIA A new species of myrmecophilons Ccccinellidae, with note on other Eyperaspini (Coleoptera).	s 14036	Additions to the list of Aedes species in Pennsylvania.	14133
ACANTROCEFHAIA The biology of the Acanthocefhala.	14598	Observations on Toxorhychites splendens (Wiedemann) (Diptera: Cnlicidae) in Singarore.	14306
ACABICITES Acaricidal agents. Fatent 3,378,437.	14 15 1	Seasonal activity of mosqnito predators in woodland pool: Ontario.	s in 14316
A small scale field trial attempting to control red spid wites on groundouts with arawite and metasystoy at Arush in the dry season.		APDES ABSEMBATUS Occurrence of Aedes abserratus (Pelt and Yonng) and Cnliseta morsitans (Theobald) in Indiana.	14113
ACCIDENT FREVENTION The safe use of pesticides.	14762	A rearing method for Aedes abserratns (F. and Y.).	14164
Care and maintenance of the cne-gallon stainless steel	14790	APDES APCORPTI A trap based on visual responses of adult mosquitoes.	14045
ACER FSEUTCFIATABUS Fager chromategraphic analysis by a new test method of		Alteration of feeding behavior and fertility in Aedes aegypti by the chemosterilant apholate.	14211
hactericidal substances in plant extracts and possible relations of these substances to plant growth inhibitors	14784	Besponses of Aedes aegypti (L.) from Alabama, Georgia and Sonth Carolina to DDT, dieldrin, and malathion.	14313
ACETYICECITHESTEBASES Acetylclclinesterase and bntyrylcholinesterase in the li		The larvicidal activity of several lignid detergents and guaternary ammoning compounds.	14327
fluke (Fasciola heratica). Histochemical studies of carboxylic esterase activity in	14457	Simulated field evaluation of promising insecticides for against Aedes aegypti.	14328
Fascicla beratica. ACETYLEBIC CABECNATES	14592	ABDES SIBBREMSIS Stempellia magna in the tree hole mosgnito, Aedes sieprensis.	14174
ACETYLSALICYIC ACIL	14467	APPDES SOLLICITANS Aerial fogging with Bay 39007 for the control of adult	
Aspirin prisoning in the cat. ACIDS	14 700	Aedes sollicitans (Walker) and Aedes taeniorhynchns (Wiedemann).	14323
Studies on rotassium nutriticm of plants. II. Some effect of rotassium deficiency on the organic acids of leaves.	ts 14369	Control of mosgnito adults and larvae with nltra-low vol aerial applications of Baygon and Baygon-Baytex mixture.	nme 14326
Fromerties of toxic fescue extracts. (Abstract).	14770	AEDES STIMULANS Control of mosgnito adults and larvae with ultra-low vol	nme
ACRITITAR Additional data on some genera and species of Acrididae (Orthoptera, Acridoidea) from the Indo-Malayan Region.	14132	aerial applications of Baygon and Baygon-Baytex mixture. AEDES TAERIORHYNCHUS	14326
ACBOBASIS Taxonomy of final-instar larvae of the hymenorterons and dirterous rarasites of Acrobasis spr. (Legidoptera: Phy-		Evalnation of insecticides against four species of adult mosguitoes in the Panama Canal Zone, 1967.	14303
citidae) in the Ottawa Region.	14047	Ultra-low volume nonthermal aerosols of malathion and na for adult mosguito control.	1ed 14321
Interesting catches of Hymenortera-Aculeata, chiefly fro sonthern Limburg.	14077	New insecticides as nonthermal aerosols for control of a mosgnitoes.	dnlt 14322
ACULUS FOCKEUI A mite as a pest of young plnm trees.	14446	Aerial fogging with Bay 39007 for the control of adult Aedes sollicitans (Walker) and Aedes taeniorhynchns (Wiedemann).	14323

AEDES TETEAUTTI	
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Aubert, J Austiu, F R Ayyuh, E F1 S Bachmann, F A Bagchee, S N Ragga, B S Bahn, E Bailey, D I Bailey, B Baker, K Ball, E M Balshaugh, E U	14495 14024 14496 14027 14334 14294 14152 14025 14025 14027 14335 14153	Ery, R E Fuangamoi, O Fullock, R R Furgdorfer, W Furgess, T D Furks, R D Furnett, R C Furns, W C Rurton, B T Furton, J F Futler, C G Eutt, R A Futtiker, W	14499 14430 14305 14166 14167 14442 14530 14225 14168 14169 14297 14275	DeGournay, X Dekhuijzen, R M 14359 Dekker, A J Denis, S J Denmark, H A Denton, R E Desjardins, P R Dewey, R W Dewhirst, L W Dexvay, J E Deyoe, R L	14478 14358 1461 R 14360 14442 14433 14361 14152 14502 14502 14375 14541	Pukuda, T Gaede, K Gaedike, R Gagne, R J Gainer, J R Galley, D J Gara, R I Garner, J H R Garraway, H O Gates, G A Gatzi, K Gaumer, G C	14174 14599 14052 14053 14509 14186 14187 14331 14370 14510 14371 14187
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